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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANagement services

SPACE DIVISION CHRYSLER CORPORATION

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RESULTS OF PRESSURE DISTRIBUTION TESTS OF A 0.010-SCALE SPACE SHUTTLE ORBITER MODEL (61- 0) IN THE NASA/ARC 3.5-FOOT HYPERSONIC WIND TUNNEL (TEST 0H38)

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Prepared under NASA Contract Number NAS9-13247

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Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: ARC 3.5-198
NASA Series Number: OH38
Model Number: 61-0
Test Dates: 20 June through 19 July 1974
Occupancy Hours: 320

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RESULTS OF PRESSURE DISTRIBUTION TESTS OF A 0.010-SCALE SPACE SHUTTLE ORBITER MODEL (61-O) IN THE NASA/ARC 3.5-FOOT HYPERSONIC WIND TUNNEL (TEST OH38)

by

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ABSTRACT

The results of hypersonic tests conducted on a 0.010-scale model of the Rockwell International Space Shuttle 140C Orbiter in the NASA-Ames Research Center 3.5-foot hypersonic wind tunnel are presented in this report.

The purpose of these tests was to obtain hypersonic pressure distributions at simulated entry conditions. Pressure data were obtained at Mach numbers of 7.4 and 10.4 and Reynolds numbers of 3.0 and 6.5 million per foot. These data are presented in both plotted and tabulated data form.

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SCHEDULE OF COEFFICIENTS PLOTTED:

A) CP/CPS versus X/L

B) CP/CPS versus X/C

C) CP/CPS versus ROW NO

D) CP/CPS versus POSN

E) CP/CPS versus X/CV

F) CP/CPS versus COLUMN

G) CP/CPS versus PHI

INTRODUCTION

This report presents results of tests conducted on a 0.010-scale model of the Rockwell International Space Shuttle Orbiter in the NASA/Ames Research Center 3.5-foot hypersonic wind tunnel. These tests were conducted from 6/20/74 through 7/19/74 during a total of 320 test hours.

The purpose of these tests was to obtain hypersonic pressure distributions on the 140C Orbiter to be used in conjunction with aerodynamic heating data obtained from other tests.

Pressure distributions were obtained for Mach numbers of 7.4 and 10.4. At Mach 7.4 Reynolds nos. of 3.0 and 6.5 x 10^6/ft. were tested through an angle of attack sweep of 15° to 50° and at side slip angles of 0° and -1° (nose right). Elevons, speed brake and bodyflap were deflected as follows:

elevons: 0°, 5°, 10°, -7°, -40°

speed brake: 0°, 49°

bodyflap: 0°, 16.7°, 22°, -12°

At Mach 10.4, a Reynolds no. of 1.7 was tested through the same angle of attack and side slip angles as the Mach 7.4 sequence. The control deflections tested at Mach 10.4 are as follows:

elevons: 0°, 5°

speed brake: 0°, 49°

bodyflap: 0°, 16.7°

Most runs were repeated due to scanivalve problems during the test. All data gathered during the test are included in the Appendix. The plotted data, however, were selected for the report by eliminating duplicated and bad data sets.

NOMENCLATURE

Symbol	Plot Symbol	Definition
	BL	butt line, distance from orbiter centerline in the outboard direction, in.
℄		centerline
Column	COLUMN	windshield column number, see figure 2a and table IV
C_{P_N}	CP	local model pressure coefficient at Nth orifice
$C_{P_{STAG}}$	CPSTAG	stagnation pressure coefficient
$C_{P_n}/C_{P_{STAG}}$	CP/CPS	ratio of local model pressure coefficient to stagnation pressure coefficient at Nth orifice
L.E.		leading edge
M_∞	MACH	freestream Mach number
P_∞	P	freestream static pressure, psia
P_n		local model surface pressure, for orifice n, psia
	POSN	order relative to the leading edge for the wing L.E. clusters, see table IV
q_∞	Q	freestream dynamic pressure, psf
Ray	RAY	windshield ray number, see figure 2a and table IV
	ROW NO	row number for OMS pod pressure taps see figure 2a
R_n/L	RN/L	unit Reynolds number, per foot
X_O	XO	longitudinal Orbiter station, full scale distance from Orbiter reference point or 238 in + F. S. distance from Orbiter nose

NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition
$\frac{X}{L}$	X/L	nondimensional distance from nose of Orbiter, fraction of Orbiter reference length
$\frac{X}{c}$	X/C	nondimensional distance from leading edge of wing, fraction of chord length
	X/CV	nondimensional distance from leading edge of vertical tail, fraction of local vertical tail chord
	X/LOM	longitudinal location on OMS pod, fraction of OMS pod length
Y_o	YO	Orbiter spanwise station in.
2Y/b	2Y/B	nondimensional spanwise location on wing, fraction of wing semispan
Z_o	ZO	Orbiter vertical station, in.
Z/b_v	Z/BV	nondimensional spanwise location on vertical tail measured from Z_o = 500, fraction of vertical tail span
α	ALPHA	angle of attack, deg.
β	BETA	angle of sideslip, deg.
ϕ	PHI	Orbiter cross-section angles measured clockwise looking forward 0° = bottom $\mathcal{L}$, deg.
δ_e	ELEV-L,R	elevon deflection angle left or right, deg.
δ_{BF}	BDFLAP	bodyflap deflection angle, deg.
δ_{SB}	SPDBRK	speedbrake deflection angle, deg.

NOMENCLATURE (Concluded)

Symbol	Plot Symbol	Definition
	BREF	wing span or reference span; ft
	LREF	reference length or wing mean aerodynamic chord; ft
	SREF	wing area or reference area; ft^2
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

CONFIGURATIONS INVESTIGATED

The model used for testing was a 0.010-scale model of the Rockwell International Space Shuttle Orbiter. The model was built to Rockwell Lines VL70-000140C.

The model was fabricated with the following control surface deflection possibilities:

elevons:	0, 5, 10, -7, -40
speedbrake:	0, 49
bodyflap:	0, 16.7, 22, -12

The model was sting mounted through its rear. Model pressure tubes were routed internally.

INSTRUMENTATION

The model was instrumented with 268 pressure orifices distributed over the model as shown in table IV and figure 2.

Model local pressures were recorded via one scanivalve unit consisting of six barrels. Each barrel recorded approximately 47 pressures.

The scanivalve unit described above was mounted above the sting in a steel box. Cooling of the box was accomplished by film cooling, i.e., injecting water into the boundary layer on the box.

Thermocouples mounted on the inside of the box wall and near the scanivalve unit indicated that the water film cooling provided a 50-60°F environment for the scanivalve during testing (typical test run time averaged 3 min.).

Two initial runs were made to determine pressure lag times and optimum scanivalve stepping rate. From these two runs, the lag time was determined to be 3-4 seconds and the optimum step rate was 0.7 sec. per port.

TEST FACILITY DESCRIPTION

The NASA-Ames 3.5-Foot Hypersonic Wind Tunnel is a closed-circuit, blowdown-type tunnel capable of operating at nominal Mach numbers of 5, 7, and 10 at pressures to 1800 psia and temperatures to 3400°R for run times to four minutes. The major components of the facility include a gas storage system where the test gas is stored at 3000 psi, a storage heater filled with aluminum-oxide pebbles capable of heating the test gas to 3400°R, axisymmetric contoured nozzles with exit diameters of 42 inches for generating the desired Mach number, and a 900,000 ft^3 vacuum storage system which operates to pressures of 0.3 psia. The test section itself is an open-jet type enclosed within a chamber approximately 12-feet in diameter and 40-feet in length, arranged transversally to the flow direction.

A model support system is provided that can pitch models through an angle-of-attack range of -20 to +20 degrees, in a vertical plane, about a fixed point of rotation on the tunnel centerline. This rotation point is adjustable from 1 to 5 feet from the nozzle exit plane. The model normally is out of the test stream (strut centerline 37-inches from tunnel centerline) until the tunnel test conditions are established after which it is inserted. Insertion time is adjustable to as little as 1/2 second and models may be inserted at any strut angle.

A high-speed, analog-to-digital data acquisition system is used to record test data on magnetic tape. The present system is equipped to measure and record the outputs from 80 transducers in addit
channels of tunnel parameters.

DATA REDUCTION

Pressure transducer outputs were reduced to pressures using cell constants from pre-run calibrations

Local pressure coefficients were computed using:

$$C_{p_n} = \frac{P_n - P_1}{q_1}$$

The stagnation pressure coefficient was calculated using:

$$C_{P_{STAG}} = \frac{[(1.2M_\infty{}^2)^{3.5}(\frac{6.0}{7.0M_\infty^2 - 1})^{2.5}] - 1}{0.7M_\infty{}^2}$$

This report contains plotted and tabulated data. Local pressure coefficient divided by stagnation pressure coefficient (CP/CPS) is the plotted variable. It is plotted versus one of the geometric dimensional variables. Only plots of selected data are presented. Each figure contains the selected data for a given component. For each individual component 9 datasets are plotted. The matrix below gives the test conditions and control deflections illustrated by these datasets.

Matrix of Plotted Datasets for Each Component

5th & 6th Character	Description	β	δ_e	δ_{SB}	δ_{BF}	RN/L	MACH
01 or 35	δ_{SB} & δ_{BF} Effect	0	0	41.5	15.7	3.0	7.4
03	Basic	0	0	0	0	3.0	7.4
04	RN/L Effect	0	0	0	0	6.5	7.4
05	δ_e Effect	0	+5	0	0	3.0	7.4
07	δ_{BF} Effect	0	+5	0	15.7	3.0	7.4

5th & 6th Character	Description	β	δ_e	δ_{SB}	δ_{BF}	RN/L	MACH
11	δ_e Effect	0	+10	0	0	3.0	7.4
14 or 32	δ_e Effect	0	-40	0	0	3.0	7.4
16	β Effect	-1	0	0	0	3.0	7.4
20	MACH Effect	0	0	0	0	3.0	10.4

The appendix consists of a listing of the local pressure coefficient data (CP). All data for a given component are grouped together. Data for each component follows the same sequence as the Data Set/Run Number Collation Summary, Table II (alphabetic on the first dataset identifier character, then numeric on the 5th and 6th character). The plotted and tabulated data are arranged in the following manner:

DATA REDUCTION (Concluded)

VOLUME NO. — CONTENTS

1 — Plots of CP/CPS versus geometry. See the index of data figures for paganation.

2 — Tabular listing of source data
CP ~ local pressure coefficient

* The Fourth Character in each dataset identifier (i.e., REZLXX,L for wing lower surface) represents the individual component.

TABLE 1.

TEST : OH-38 DATE : 7-19-74

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per foot)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
7.4	3.0×10^6	4.8	1040°F
7.4	6.5×10^6	10.5	1040°F
10.4	1.7×10^6	2.0	1040°F

BALANCE UTILIZED: None

	CAPACITY	ACCURACY:	COEFFICIENT TOLERANCE:
NF			
SF			
AF			
PM			
RM			
YM			

COMMENTS:

TEST : OH38 ARC 3.5-198

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : 10-14-74

MACH ALPHA

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	CONTROL DEFLECTION δ_e	CONTROL DEFLECTION δ_{SB}	CONTROL DEFLECTION δ_{BF}	CONTROL DEFLECTION RN/L	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 15	20	25	30	35	40	45	50	TEST RUN NUMBERS
RE2001	140C ORB		0	0	49	16.7	3.0	7.4		802-1		801-1	802-2	801-2			
2					49	16.7	6.5			803-1		804-1		805-1			
3					0	0	3.0			811-1	811-2	812-1	812-2	812-3			
4						0	6.5			810-1	809-1	808-1	807-1	806-1			
5				5		0	3.0			813-3		813-2		813-1			
6						0	6.5			814-1		815-1		816-1			
7						16.7	3.0			822-1		822-2		822-3			
8						16.7	6.5			821-1		820-1		817-1			
9						22.0	3.0			824-3	824-2	823-3	823-2	823-1			
10				5		22.0	6.5			829-1	828-1	827-1	826-1	825-1			
11				10		0	3.0			830-5		830-4		830-1			
12				-7		-12	3.0			831-3	831-2	831-1	832-2	832-1			
13				-7		-12	6.5			836-2	836-1	835-2	835-1	834-1			
14				-40		0	3.0			839-3		839-2		839-1			
15			0	-40		0	6.5			837-2		837-1		838-1			
16			-1	0		0	3.0			62-3	62-2	62-1	61-2		61-1		
17			-1	5		0	3.0	7.4		60-3		60-2		60-1			
RE2018	140C ORB		-1	0	0	0	1.7	10A	866-2	866-1	864-3	864-2	864-1	865-2	865-3		

1 7 13 19 25 31 37 43 49 55 61 67 75 76

CR ALPHA MACH

COEFFICENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

EACH NUMERICAL DATA SET CYCLES THRU AN ALPHABETICAL DATA SET (A-N) CORRESPONDING TO SECTION.

"800" RUNS ARE THE SECOND DATA REDUCTION.

TEST: 0438 ARC 3.5-198

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 10-14-74

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	CONTROL DEFLECTION δ_e	δ_{SB}	δ_{BF}	RNL	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) .15	.20	.25	.30	.35	.40	.45	.50
RE2019	140 C OK6		0	5	49	16.7	1.7	10A		874-2	874-1	872-2	872-1	873-2	873-1	
20				0	0	0	1.7	10A		869-2	869-1	868-2	868-1	867-2	867-1	
30				5	0	16.7	3.0	7.4		51-3	84-3△		84-2*	51-2	51-1	84-1*
31				5	0	16.7	6.5			52-2		52-1				
32				-40	0	0	3.0		89-3*	54-3	79-3	54-2	54-1	79-1	79-2	89-1*
33				-40	0	0	6.5			55-2	90-2		90-1	55-1		
34				-7	0	-12.	3.0		88-3*	56-3	80-2	56-2	80-1	56-1	80-3	88-1*
35				0	49	16.7	3.0			57-2	58-1	57-3	57-2	57-1	59-1	
36				5	0	22.	3.0		76-3		75-1	85-2			76-2	85-1
37				5	0	22.	6.5		77-2	77-1						
RE2038	140C OK6			7	0	-12.	6.5			81-2*	81-1*					
XE2003	Repeat of D/S 3			0	0	0	3.0			842-3	842-2	842-1	841-3	841-2	841-1	840-9
4	D/S4			0			6.5			846-1	845-2	845-1	844-2	843-2	844-1	
5	D/S5			5			3.0			50-3		50-2	83-3	50-1	83-2*	83-1*
6	D/S6			5			6.5			82-2*	91-2*	82-1*	91-1*			
XE2011	D/S11			10			3.0		86-2*	53-3	86-1*	53-2	89-3	53-1	89-2	89-1
YE2003	D/S XE2008			0			3.0			78-3		49-3	78-2	49-1	78-1	
YE2004	REPEAT of D/S XE2004		0	0	0	0	6.5	7.4				48-3		48-2		

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

CR

ALPHA MACH

COEFFICENTS

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

X Repeat of R
Y Repeat of X

*ALPHA VALUES IN DATA ≠ 320
DATA PROVIDED TO VALUES
INDICATED ON COLLATION SHEET.
△ RUN HAS NO DATA.

NASA-MSFC-MAF

TABLE III (MODEL DIMENSIONAL DATA)

MODEL COMPONENT · BODY - B64

GENERAL DESCRIPTION · The body is to the Baseline Definition Space Shuttle Vehicle Configuration 5 MCR 200 Rev 7 dated 10/17/74

MODEL SCALE· 0.010

DRAWING NUMBER · VC70--0000002 MDV-70 Baseline IML

REF: Length OML X = 239 - 1528.3

DIMENSIONS	FULL SCALE	MODEL SCALE
Length OML X_o = 238-1528.3	1290.3	12.903
Length (IML X = 239.5 -1528.3)		
OML Max Width (X_o = 1516.8013) In	262.718	2.627
IML " " (X_o = 1516.8013) In	260.718	2.607
OML Max Depth (X_o 1463.316) In	248.575	2.486
IML " " (X_o 1463.316) In	246.575	2.466
OMI Fineness Ratio	5.1365	5.1365
IMI " "	5.1525	5.1525
Area - Ft^2		
Max. Cross-Sectional @ X 1463.316	340.82	0.0341
Planform		
Wetted		
Base		

TABLE III (CONT'D)

MODEL COMPONENT : CANOPY - C_{14}

GENERAL DESCRIPTION : The canopy is that part of the forward fuselage which covers the crew module. 1" thickness on the canopy.

Vehicle 5 configuration MCR 200 Rev. 7

MODEL SCALE: 0.010

DRAWING NUMBER : VL70-000140C VC70-000002 MDV-70.

DIMENSIONS .	FULL SCALE	MODEL SCALE
Length (X_o 435.196 to 670 0)	234.80	2.348
Max Width (@ Y_o - 594 0)	195.58	1.956
Max Depth		
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

WINDSHIELD PANES.

.7012 X_o --.2552 Y_o - .4656 Z_o -6.1789 = 0
.5710 X_o -.5641 Y_o - .5965 Z_o +32 7354 = 0
.2634 X_o -.7564 Y_o - 5965 Z_o ±189 4094 = 0

TABLE III (CONT'D)

MODEL COMPONENT: ELEVON - E_{54}

GENERAL DESCRIPTION: Elevon for configuration 5, hingeline at X_o = 1397
Elevon split line Y_o = 312.5 & 0" gaps beveled edges, and centerbodies
OML used on W_{129} Ref MCR 200 Rev. 7 dated 10-17-74.
MODEL SCALE: 0.010

DRAWING NUMBER: VC70-000002A

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area used for C_{H_c} computation	210.0	0.0210
Area - Ft^2	206.57	0.0207
Span (equivalent) In.	346.44	3.464
Inb'd equivalent chord In.	116.50	1.165
Outb'd equivalent chord In.	55.219	0.552
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.2137	0.2137
At Outb'd equiv. chord	0.3999	0.3999
Sweep Back Angles, degrees		
Leading Edge	0.00	0.00
Tailing Edge	- 10.056	-10.056
Hingeline	0.00	0.00
Area Moment (Product of area and $\bar{c}$) (Normal to hinge line) Ft^3	1540.74	0.00154
Mean Aerodynamic Chord In.	89.50	0.895

TABLE III (CONT'D)

MODEL COMPONENT: BODY FLAP - B_{14}

GENERAL DESCRIPTION: Orbiter body flap Vehicle 5 configuration, MCR 200 Rev. 7 "OML" to be used with B_{64}. Hingeline X_o 1532.0, Y_o -1280.

MODEL SCALE: 0.010

DRAWING NUMBER: VC70-000002 and MDV-70

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Total Area - Ft^2	133.875	0.0134
Span (equivalent) In.	238.000	2.380
Inb'd equivalent chord In.	81.00	0.810
Outb'd equivalent chord In.	81.00	0.810
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord		
At Outb'd equiv. chord		
Sweep Back Angles, degrees		
Leading Edge	0.00	0.00
Tailing Edge	0.00	0.00
Hingeline	0.00	0.00
Area Moment (MAC X TOTAL AREA) Ft^3 (Normal to hinge line)	903.656	0.0009
Mean aerodynamic chord In.	81.0	0.810

TABLE III (CONT'D)

MODEL COMPONENT : OMS PODS (OML) - $M_{1.2}$

GENERAL DESCRIPTION : Vehicle 5 configuration, MCR 200, Rev. 7, orbiter OMS pod - short pod

MODEL SCALE: 0.010

DRAWING NUMBER : VC70-000002 VL70-008410 MDV-70

DIMENSIONS .	FULL SCALE	MODEL SCALE
Length (X_o 1311 to 1511), In.	200.00	2.000
Max Width (X_p 305, X_o 1511) In.	135.75	1.358
Max Depth (X_p 304 X_o 1511) In.	74.50	0.745
Fineness Ratio	1.937	1.937
Area - Ft^2		
Max. Cross-Sectional @ X_p 305	58.169	0.0058
Planform		
Wetted		
Base		

TABLE III (CONT'D)

MODEL COMPONENT: RUDDER - R18

GENERAL DESCRIPTION: The rudder is a secondary movable airfoil at the trailing edge of the vertical fin that imparts yaw forces. This dimensional data was calculated from the OML master dimensions 7-19-74.

MODEL SCALE: 0.010

DRAWING NUMBER: Vehicle 5 Conf MCR 200, Rev. 7.

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - Ft^2	97.838	0.0098
Span (equivalent) , In.	198.614	1.986
Inb'd equivalent chord, In.	91.07	0.911
Outb'd equivalent chord , In.	50.80	0.508
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.833	34.833
Tailing Edge	26.249	26.249
Hingeline	34.833	34.833
Area Moment (Product of MAX y Area Normal to hinge line) Ft^3	593.88	0.00059
Mean Aerodynamic Chord, In.	72.840	0.728

TABLE III (CONT'D)

MODEL COMPONENT: VERTICAL - V_{23}

GENERAL DESCRIPTION: The vertical tail is double wedge shaped and mounted dorsally on the aft fuselage. These data correspond to the vehicle 5 configuration, MCR 200, Rev. 7.

MODEL SCALE: 0.010

DRAWING NUMBER: VC70-000002, Master Dimensions.

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo) - Ft^2		
Planform	413.253	0.0413
Span (Theo) - In.	315.72	3.157
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees.		
Leading Edge	45.000	45.000
Trailing Edge	26.25	26.25
0.25 Element Line	41.13	14.13
Chords:		
Root (Theo) WP	268.50	2.685
Tip (Theo) WP	108.47	1.085
MAC	199.81	1.998
Fus. Sta. of .25 MAC	1463.50	14.635
W.P. of .25 MAC	635.52	6.355
B.L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle - Deg.	10.00	10.00
Trailing Wedge Angle - Deg.	14.92	14.92
Leading Edge Radius	2.00	0.020
Void Area	13.17	0.0013
Blanketed Area	0.00	0.00

TABLE III (CONL'D)

MODEL COMPONENT: WING-W_{129}

GENERAL DESCRIPTION: The wing is the primary lifting device and is mounted horizontally and is symmetric about the plane $Y_o = 0$. A cuff fairs the fuselage to the wing's leading edge @ $X_o = 940$ to $X_o = 1084.0$

MODEL SCALE: 0.010

TEST NO. MCR 200, Rev. 7 10'17'74 Baseline Conf. 5. DWG. NO. VC70-000002

DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft^2		
Planform	2690.00	0.2690
Span (Theo In.	936.68	9.367
Aspect Ratio	2.265	2.265
Rate of Taper	1.1773	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	0.00	0.00
Sweep Back Angles, degrees		
Leading Edge	45.00	45.00
Trailing Edge	10.056	10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.O.O.	689.243	6.892
Tip, (Theo) B.P.	137.849	1.379
MAC	474.812	4.748
Fus. Sta. of .25 MAC	1136.834	11.368
W.P. of .25 MAC	290.857	2.909
B.L. of .25 MAC	182.132	1.821
EXPOSED DATA		
Area (Theo) Ft^2	1751.50	0.1752
Span, (Theo) In. BP108	720.68	7.207
Aspect Ratio	2.060	2.060
Taper Ratio	0.2452	0.2452
Chords		
Root BP108	562.090	5.621
Tip 1.00 $\frac{b}{2}$	137.849	1.379
MAC	392.826	3.928
Fus. Sta. of .25 MAC	1186.50	11.865
W.P. of .25 MAC	293.683	2.937
B.L. of .25 MAC	251.769	2.518
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root $\frac{b}{2}$ =	0.1136	0.1136
Tip $\frac{b}{2}$ =	0.120	0.120
Data for (1) of (2) Sides		
Leading Edge Cuff Planform Area Ft^2	145.4	0.0145
Leading Edge Intersects Fus M. L. @ Sta	500.00	5.00
Leading Edge Intersects Wing @ Sta	1084.0	10.840

TABLE IV
PRESSURE ORIFICE LOCATIONS

Bottom ℄			Top ℄		
No.	$\frac{X}{L}$	X_o	No.	$\frac{X}{L}$	X_o
1	.000	235.000	26	.010	247.933
2	.005	241.467	27	.030	273.799
3	.010	247.933	28	.060	312.595
4	.020	260.866	29	.080	336.464
5	.030	273.799	30	.100	364.330
6.	.040	286.732	31	.130	403.129
7	.050	299.665	32	.160	441.928
8	.060	312.598	33	.170	454.861
9	.080	338.464	34	.180	467.794
10	.100	364.330	35	.190	480.727
11	.112	380.000	36	.200	493.660
12	.150	428.995	37	.250	558.325
13	.200	493.660	38	.300	622.990
14	.300	622.990	39	.500	881.650
15	.400	752.320	40	.600	1010.980
16	.500	881.650	41	.700	1140.310
17	.600	1010.980	42	.775	1237.307
18	.700	1140.310	43	.800	1269.640
19	.800	1269.640	44	.825	1301.973
20	.850	1334.305			
21	.950	1463.635			
22	.975	1495.968			
23	1.004	1533.473			
24	1.025	1560.633			
25	1.050	1592.965			

$$X_o = 235 + \frac{X}{L} \quad (1293.3)$$

WINDSHIELD

No.	Column	Ray
45	3	1
46	2	1
47	1	1
48	3	2
49	2	2
50	1	2
51	3	3
52	2	3
53	1	3

TABLE IV. - PRESSURE ORIFICE LOCATIONS (Cont'd)
CROSS SECTIONS (Pilot Left)

No.	ϕ	$\frac{X}{L}$	X_o
54	19.5	.01	247.933
55	10	.03	273.799
56	16		
57	22		
58	26		
59	33.5		
60	42.5	.05	229.665
61	53	.08	338.464
62	20	.10	364.330
63	26.5		
64	32		
65	37		
66	42.5		
67	59		
68	90		
69	90	.16	441.928
70	20	.20	493.660
71	35.5		
72	39.5		
73	43.5		
74	47.5		
75	51.0		
76	90		
77	55.5	.25	558.325
78	57		
79	95.5		
80	26	.30	622.99
81	41		
82	47.5		
83	53.5		
84	66.5		
85	71		
86	76.5		
87	82.5		
88	122		
89	145		
90	81	.35	687.65
91	90		
92	100.5		
93	111		
94	26	.40	752.320
95	96		
96	109		
97	122.5		
98	95	.50	881.650
99	17	.60	1010.98
100	32		
101	45		
102	52		
103	66		
104	75		
105	85		
106	96		
107	122		
108	23.5	.80	1269.64
109	56.5	.829	1307.1
110	72.0		
111	90.0		
112	24	.9	1398.97
113	24.5	.95	1463.635

TABLE IV. - PRESSURE ORIFICE LOCATIONS (Cont'd)

AFT Sidewall (Left)				Vertical Tail (Pilot Left)		
No.	Z_0	X/L	X_0	No.	Z/b_v	X/C_V
114	310	.916	1420.0	120	CNTR APU inlet	
115	↓	.932	1440.0	121	TAIL/BODY Fillet	.30
116	↓	.947	1460.0	122	" " "	.50
117	340	.916	1420.0	123	.15	L.E.
118	↓	.932	1440.0	124		.30
119	↓	.947	1460.0	125		.50
				126	.299	L.E.
				127		.30
				128		.90
				129	.532	L.E.
				130		.30
				131		.90
				132	.765	L.E.
				133		.30
				134		.50
				135		.75
				136		.90
				137	.905	L.E.

TABLE IV. - PRESSURE ORIFICE LOCATIONS
OMS Pod

No.	ϕ	X/L	X_o	X/L OMS
138	132	.832	1311	
139	132	.843	1325	
140	132	.862	1350	
141	132.5	.901	1400	
142	132.0	.978	1500	
143	114.2	.843	1325	
144	114.7	.862	1350	
145	113.2	.901	1400	
146	113.6	.978	1500	
147	Center RCS Package			
148	105	.862	1350	
149	102.7	.901	1400	
150	103.2	.978	1500	
151	Bottom of RCS Package			
152	149.2	.862	1350	
153	151.2	.901	1400	
154	149.5	.978	1500	
155	See Figure 2			
157	See Figure 2			
156,158	No Orifice			

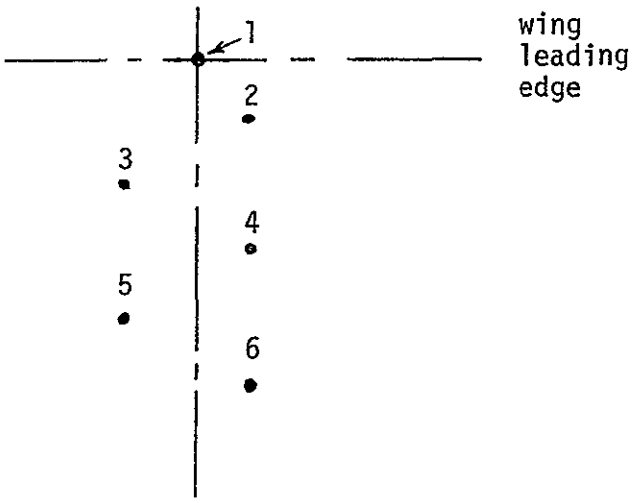
TABLE IV. - PRESSURE ORIFICE LOCATIONS (Continued)

Left Lower Wing

No.	2Y/b	X/C
159	.25	.025
160		.050
270		.075
161		.176
162		.318
163		.459
164		.601
165		.743
166		.849
167		.955
168-173 Cluster A (See Chart Below)		
174	.34803	L.E.
175-180 Cluster B (See Chart Below)		
181	.40	.025
182		.043
183		.20
184		.30
185		.60
186		.70
187		.751
188		.831
189		.90
190		.95
191	.50	L.E.
192		30° down
271		.05
193		.10
194		.30
195		.45
196		.60
197		.718
198		.814
199-204 Cluster C (See Chart Below)		
205	.55	.10
206-211 Cluster D (See Chart Below)		
212	.60	.10
213		.30
214		.45
215		.60
216		.698
217		.809
218		.90
219		.95
220	.75	L.E.
221		30° down
222		.10
223		.30
224		.652
225		.797
226-231 Cluster E (See Chart Below)		
232	.85	.10
233		.30
234		.602
235		.784
236	.95	.10
237		.30
238		.497
239		.751
240	1.0	.60

TABLE IV. - Continued

Wing L. E. Clusters



Cluster	2Y/b	Position 1	2	3	4	5	6
A	.30106	168	169	170	171	172	173
B	.40	175	176	177	178	179	180
C	.55	199	200	201	202	203	204
D	.60	206	207	208	209	210	211
E	.85	226	227	228	229	230	231

TABLE IV. - PRESSURE ORIFICE LOCATIONS - (Concluded)

Right Upper Wing

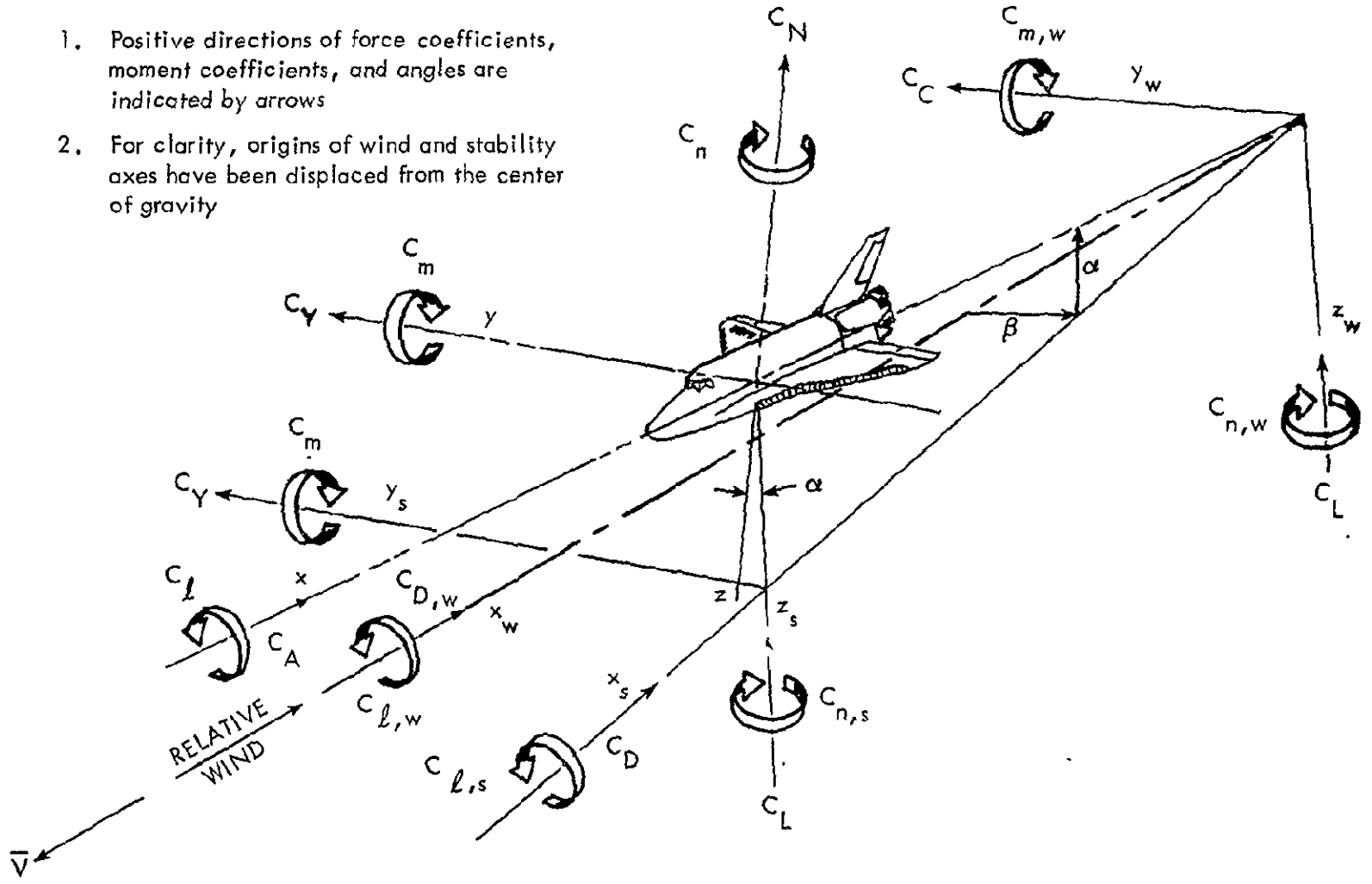
No.	2Y/b	X/C
241	.30	.826
242	.30	.878
243	.40	.025
244	↓	.200
245		—
246		.752
247		.831
248	.60	.05
249	↓	.20
250		.60
251		.698
252		.809
253		.90
254		.95
255	.80	.05
256	↓	.20
257		.60
258		.631
259		.791
260	.95	.10
261	↓	.40
262		.497
263		.751

ET ATTACH & LOX LINE ATTACH

No.	X_o	Y_o
264	1293.2	.70
265	1306.1	↓
266	1319.0	
267	1287.2	.965
268	1300.1	↓
269	1313.0	

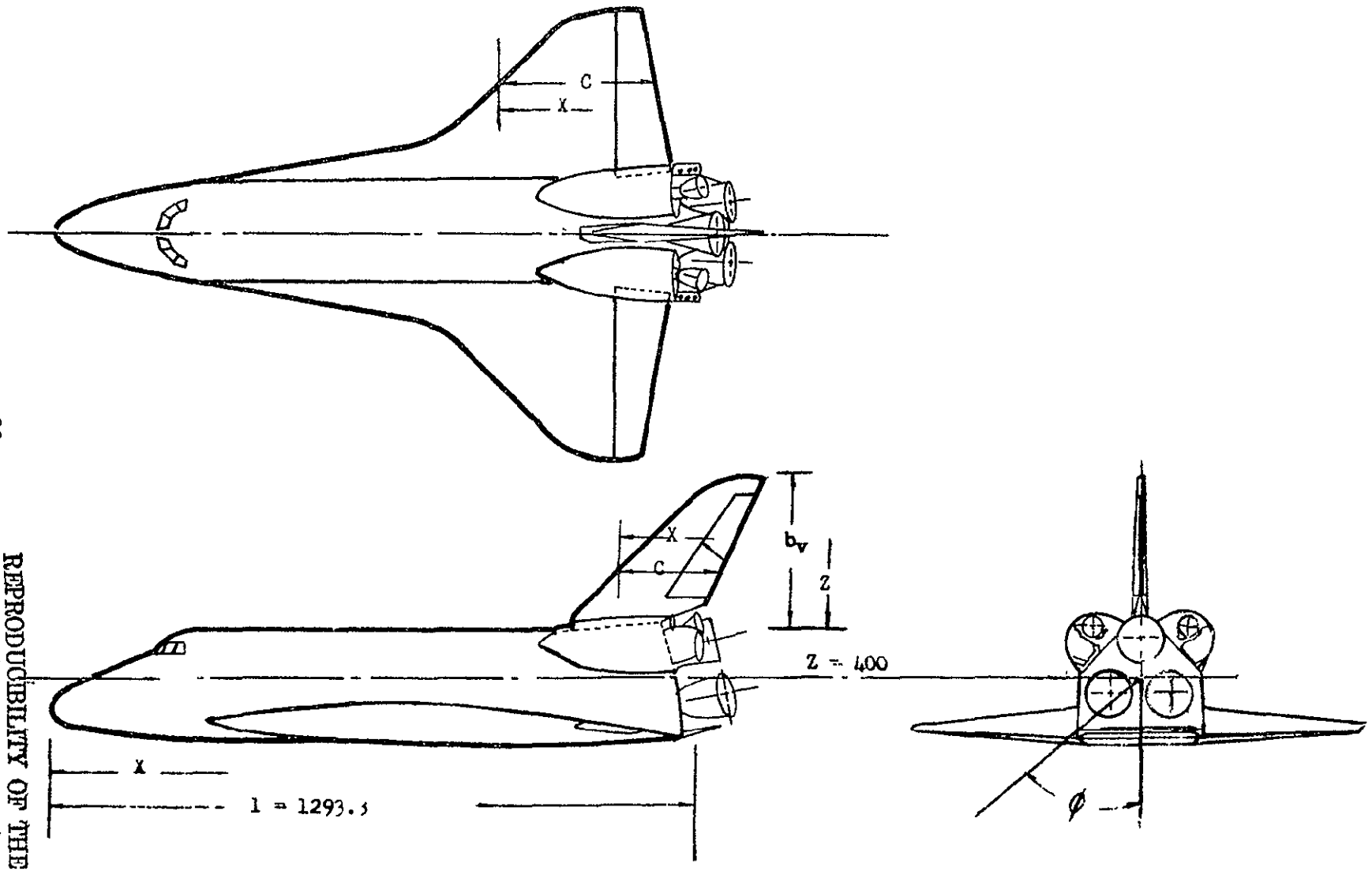
Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



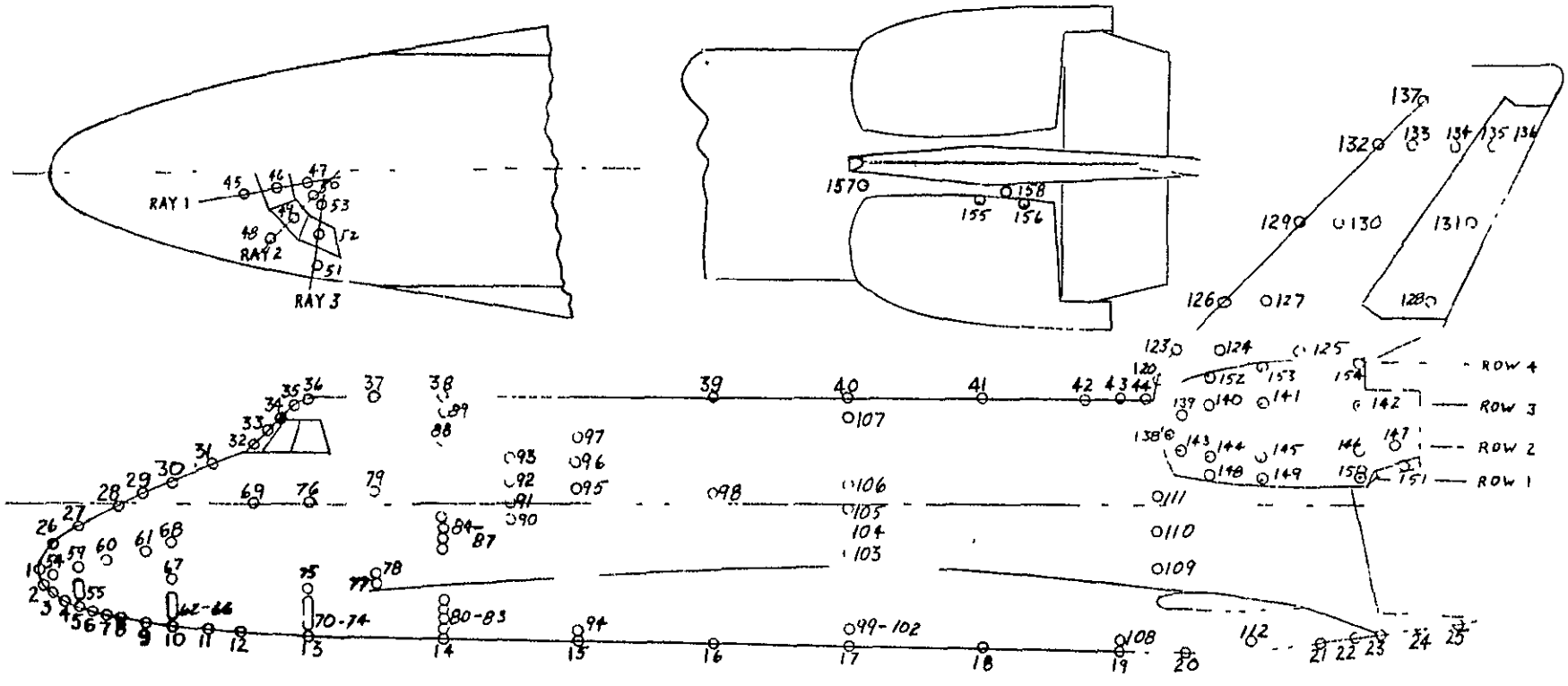
a. General

Figure 1. - Axis systems.



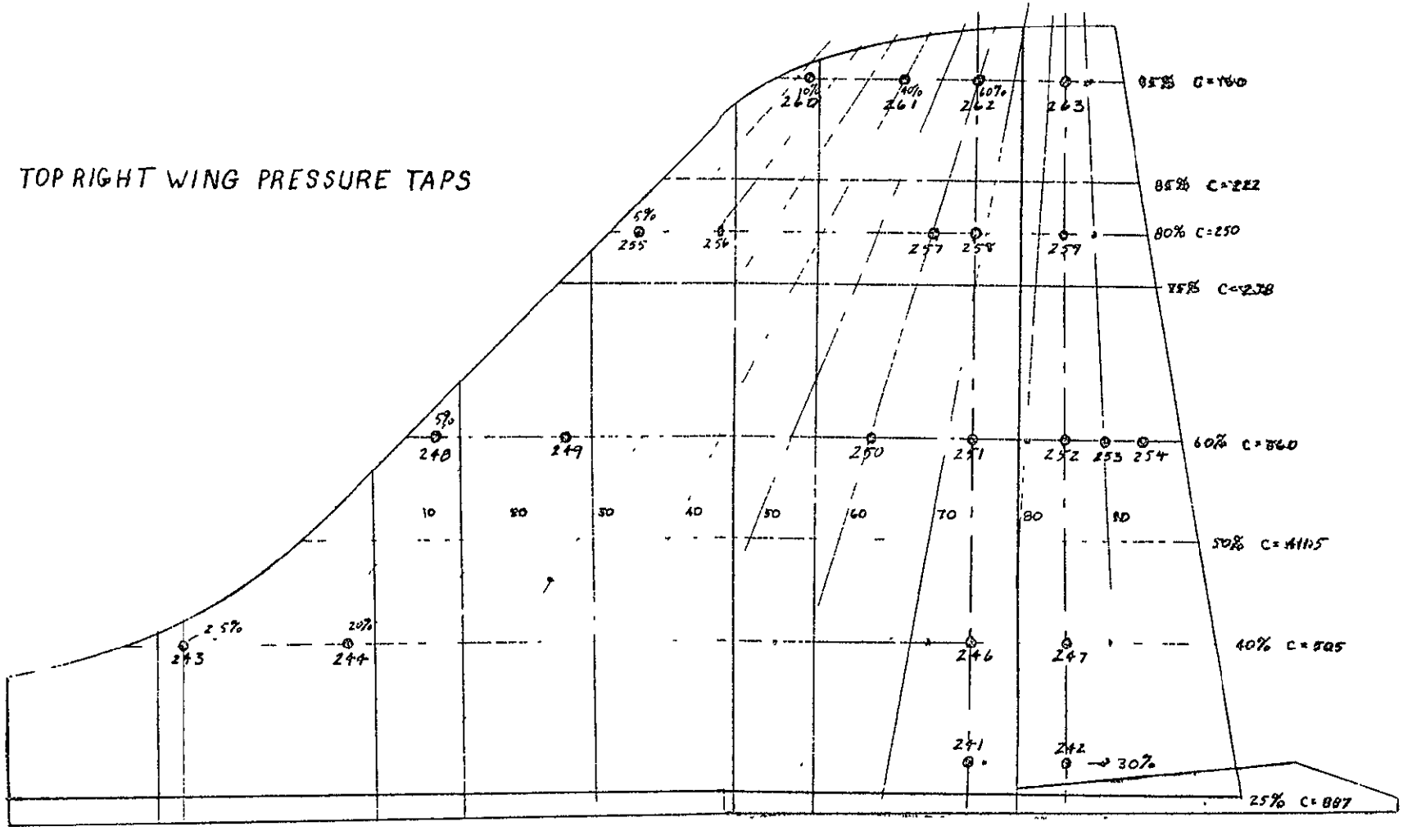
b. Instrumentation Location Definitions

Figure 1. - Concluded.



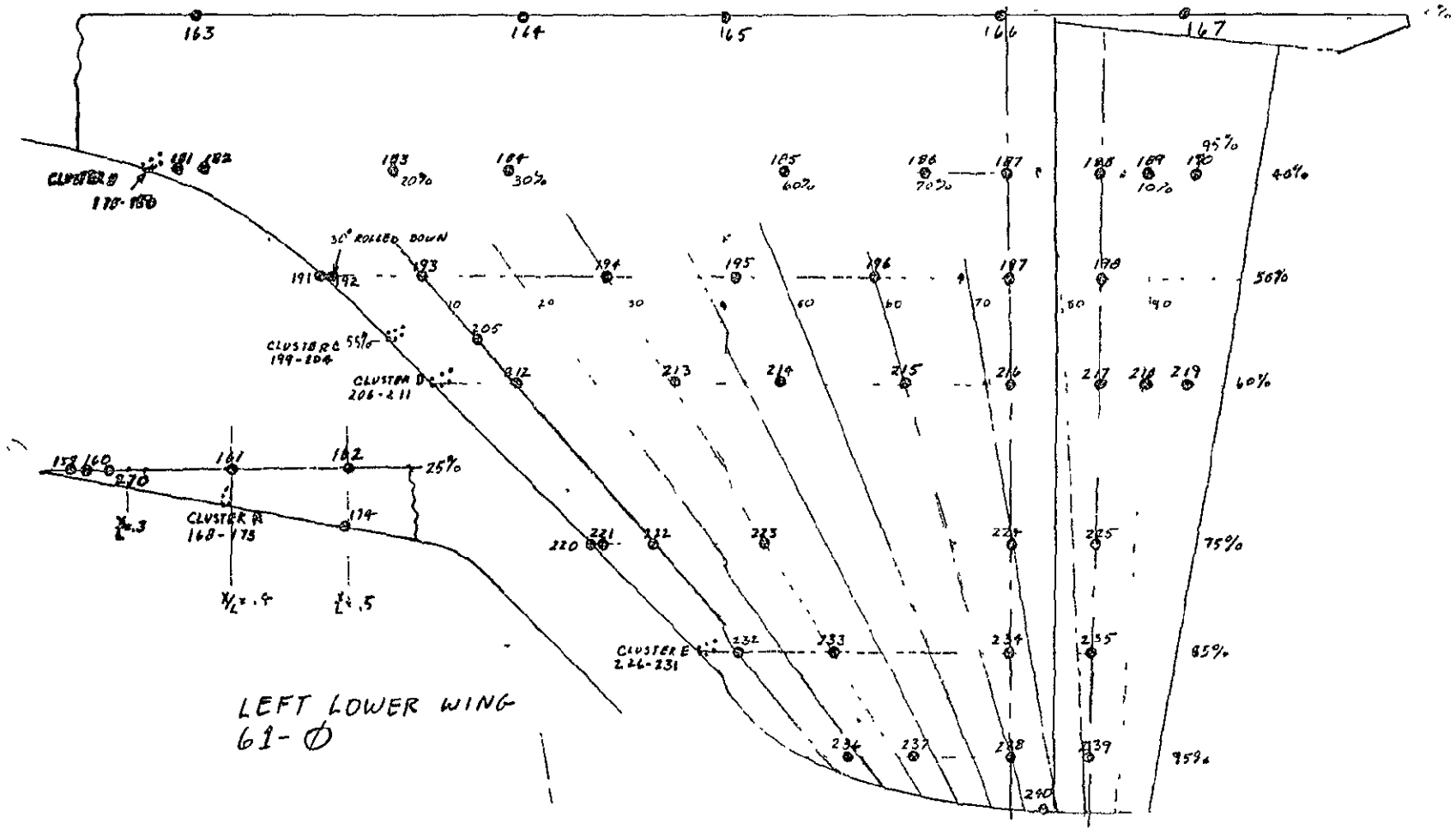
a. Fuselage and Vertical Tail

Figure 2. - 61-0 pressure orifice locations.



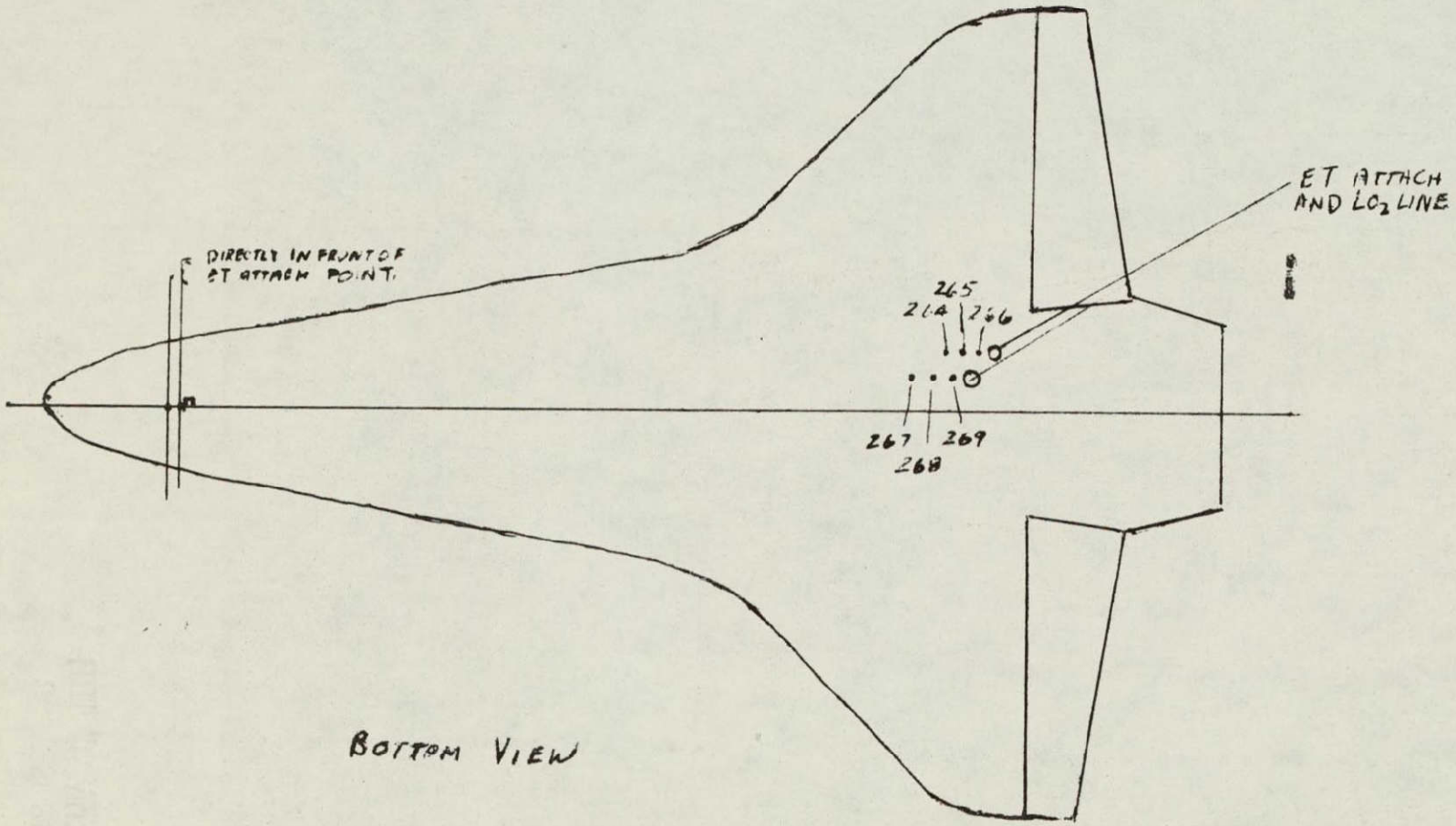
b. Top Right Wing

Figure 2 - Continued



c. Left Lower Wing

Figure 2. - Continued.



d. Attach Points

Figure 2. - Concluded.

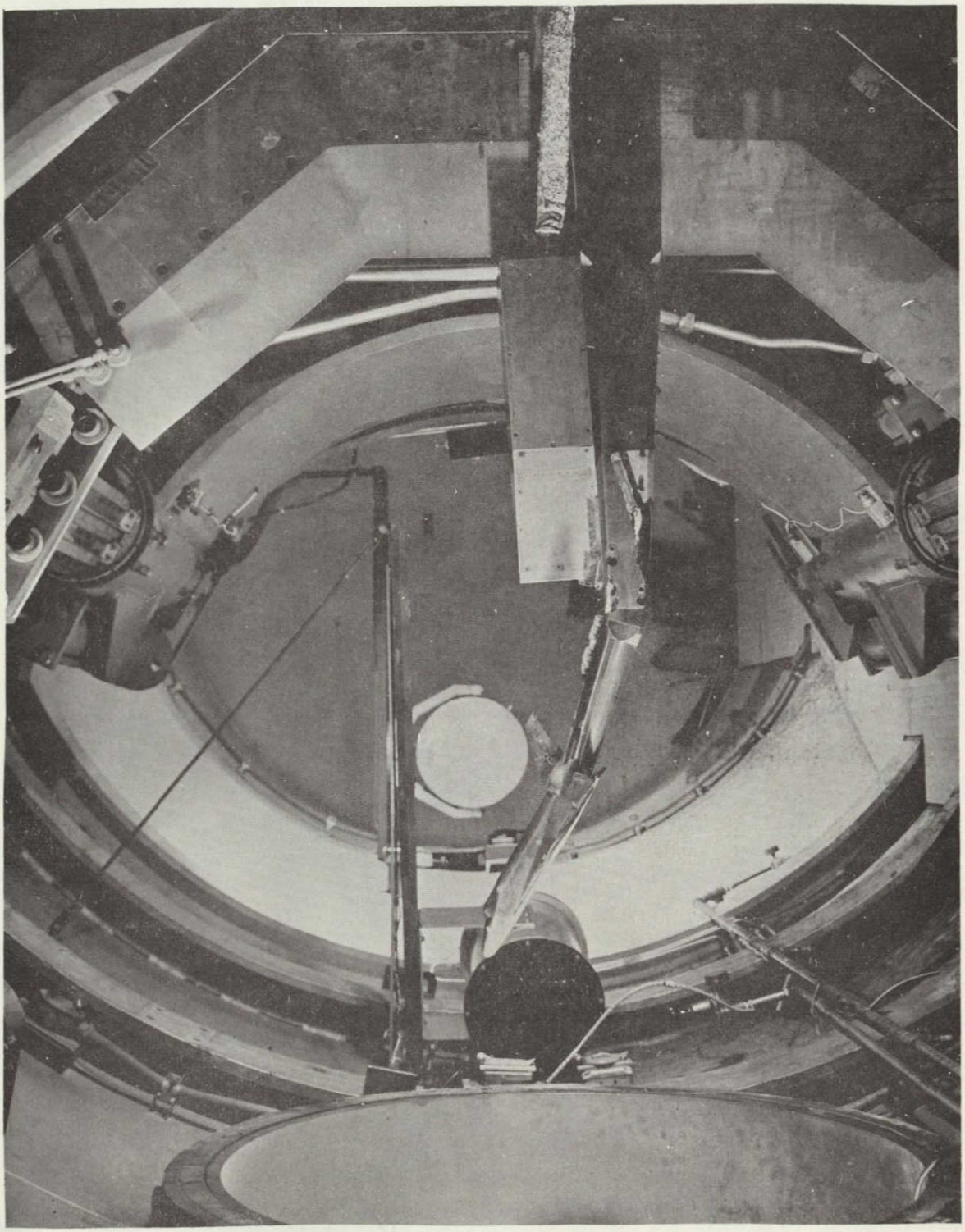


Figure 3. - Model installation photograph.

APPENDIX

TABULATED SOURCE DATA

VOLUME 2 Pages 1-738

Tabulations of plotted data are available on request from Data Management Services.

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = 41.533
BDFLAP = 15.567 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5078
.005	1.4796
.010	1.2424
.020	.9346
.030	.8085
.040	6506
.050	5311
.060	.4292
.080	.4224
.100	.3828
112	.3761
.150	.3054
.200	.2776
.300	.2253
400	.2427
.500	.2574
.600	2611
.700	.2633
.800	.2468
.850	.2131
.950	.1842
.975	.1898
1.004	0357
1.025	.2203
1.050	.3818

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.1596
.005	1.6747
.010	1.5248
.020	1 2754
.030	1.1513

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA01)

ALPHA (2) = 29.899 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.9728
.050	.8420
.060	6965
.080	7398
.100	.7386
.112	.6812
.150	.5766
.200	.5582
300	.5715
.400	.5875
.500	.6026
.600	.6201
.700	.6131
800	.5765
.850	.5004
.950	.4289
.975	.4355
1 004	.0586
1.025	.5900
1 050	.9417

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.0000
.005	1 7349
.010	1.6409
.020	1.4316
.030	1.3192
.040	1.1433
.050	1.0425
.060	.8939
.080	.9409
.100	.8761
.112	.8331
.150	.7201
.200	.0000
300	.6327
.400	.6522
.500	.6703
.600	.6834

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA01)

ALPHA (3) = 35.065 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.7072
.800	.6643
.850	.5867
.950	.5110
.975	.5193
1.004	.0685
1.025	.8376
1 050	!.1322

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG - 1.8305

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.0006
.005	1.9665
.010	2.0469
.020	1.8684
.030	1 7590
.040	1.5814
.050	1.5188
.060	1.3380
.080	1.4118
.100	1.3460
.112	1.2671
.150	1.1943
.200	.9220
.300	.8846
400	.8801
500	.9011
.600	9053
.700	.9294
.800	.8789
.850	.7895
.950	.6395
.975	.7058
1.004	.0795
1.025	1.2020
1.050	1.3689

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA02) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15 667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5329
.005	.0000
.010	.0000
.020	.9671
.030	.8473
.040	.8743
.050	.5711
.060	.4724
.080	.4588
.100	.4126
.112	.3810
.150	.4007
.200	.2759
.300	.2662
.400	.2616
.500	.2725
.600	2861
.700	2821
.800	.2596
.850	.2161
.950	.1262
.975	.1167
1.004	.0151
1.025	.4090
1 050	.4984

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.1713
.005	1.7201
.010	1.5822
.020	1.3034
.030	1.2110

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA02)

ALPHA (2) = 30.030 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	1.0423
.050	.9158
.060	.7687
.080	.7998
.100	7585
.112	.7145
.150	.6207
.200	.5874
.300	.5045
.400	.5235
.500	.5367
.600	.5534
.700	5781
.800	.5331
.850	.4561
.950	.2966
975	.2826
1.004	.0355
1.025	.8416
1 050	.9190

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8370
.005	1.8624
.010	1.8311
.020	1.6245
.030	1.5914
.040	1.4645
.050	1.3522
.060	1.1532
.080	1.2496
.100	1.1767
.112	1.1176
.150	1.0131
.200	.9447
.300	.8450
.400	.8692
.500	.8549
.600	.8847

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA02)

ALPHA (3) = 39.697 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.9100
.800	.8875
.850	.7910
.950	.5757
.975	.5568
1.004	.0557
1.025	.0000
1.050	.0000

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5699
.005	1.5278
.010	1.2512
.020	.8114
.030	.8619
.040	.7174
.050	.5912
.060	.5050
.080	.4799
.100	.4336
.112	.4047
.150	.3333
.200	.2701
.300	.2007
.400	2098
.500	.2212
.600	.2266
.700	.2261
.800	.2095
.850	.1781
.950	1149
.975	1167
1.004	.0312
1.025	.1084
1.050	.1076

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.4093
.005	1.6529
.010	1.4040
.020	.9875
.030	1.0560

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA03)

ALPHA (2) = 24.999 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8925
.050	.7608
.060	.6612
.080	.6463
.100	.5908
.112	.5594
.150	.4709
.200	.4012
.300	.2562
.400	.2669
.500	.2767
.600	.2831
.700	.2828
.800	.2648
.850	.2261
.950	.1476
.975	.1512
1.004	.0311
1.025	.1477
1.050	.1465

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2652
.005	1.7630
.010	1.5333
.020	1.1809
.030	1 2302
.040	1.0592
.050	.9301
.060	.8149
.080	.8200
.100	.7617
.112	.7230
.150	.6243
.200	.5462
.300	.3260
.400	.3473
.500	.3574
.600	.3767

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA03)

ALPHA (3) = 29.791 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER-LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.3883
.800	.3640
.850	.2987
.950	.1989
975	.1988
1.004	.0449
1.025	.1986
1.050	.1958

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.0563
.005	1 8133
.010	1 6464
.020	1 3297
.030	1.3895
.040	1 2285
.050	1.1119
.060	.9714
.080	1 0097
.100	.9464
.112	.9101
.150	.7967
.200	.7223
.300	.5140
.400	.5824
.500	.6137
.600	.6377
.700	.6644
.800	.6216
.850	.5410
.950	3627
.975	.3584
1.004	.0528
1.025	.2608
1.050	.2651

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA03)

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8657
.005	1.8488
.010	1.7113
.020	1.2832
.030	1.5319
.040	1.3831
.050	1.2924
.060	1.1338
.080	1.2002
.100	1.1206
.112	1.0713
.150	.9754
.200	.9022
.300	.7507
.400	.7750
.500	.8020
.600	.8140
.700	.8402
800	.7834
.850	.6977
.950	.5126
.975	.5256
1.004	.3653
1.025	.3913
1.050	.4421

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5307
.005	1.5105
.010	1.2169
.020	.8484
.030	.8465
.040	.7042
.050	.5757
.060	.4867
.080	.4658
.100	.4196
.112	.3902
.150	.3196
.200	.2708
.300	.1931
.400	.2179
.500	.2449
.600	.2664
700	.2688
800	.2471
.850	.2036
.950	.1046
.975	.0988
1.004	.0049
1.025	.0958
1.050	.0896

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3252
.005	1.6257
.010	1.3685
.020	.9706
.030	1.0519

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA04)

ALPHA (2) = 25.260 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8869
.050	.7591
.060	.6416
.080	.6458
.100	.6013
.112	.5645
.150	.4793
.200	-.0608
.300	.3085
.400	.3770
.500	3951
.600	.4202
.700	.4342
800	.4006
.850	.3325
.950	.2056
.975	.1887
1.004	.0090
1.025	.1289
1 050	.1302

ALPHA (3) = 29 923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
000	1.1580
.005	1.7200
.010	1.4915
.020	1.1286
.030	1.2234
.040	1.0489
.050	.9197
.060	.7706
.080	.8115
.100	.7607
.112	.7176
.150	.6254
.200	.0674
.300	.4993
.400	5328
.500	5454
.600	.5650

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA04)

ALPHA (3) = 29.923 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.5925
.800	.5496
.850	.4723
.950	.3117
.975	.2959
1.004	.0180
1.025	.2417
1.050	.2543

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.9192
.005	1.7614
.010	1.5676
.020	1.2247
.030	1.3430
.040	1.1727
.050	1.0619
060	.8665
.080	.9553
.100	.9014
.112	.8483
.150	.7422
.200	.7581
.300	.6845
.400	.7016
.500	.7088
.600	.7340
.700	.7584
.800	.7334
.850	.6361
.950	.4437
.975	.4245
1.004	.0091
1.025	.4037
1.050	.3933

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA04)

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7822
.005	1.7929
.010	1.6572
.020	1.3821
.030	1.5202
.040	1.3879
.050	1.2968
.060	1.0869
.080	1.1865
.100	1.1179
.112	1.0567
.150	.9644
.200	.9361
.300	.8532
.400	.8769
.500	.8701
.600	.9039
.700	9302
.800	.9100
.850	.8091
.950	.5899
.975	.5708
1 004	.0139
1 025	.5413
1.050	.5307

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2488
.005	1.7650
.010	1 5657
.020	1.0568
.030	1.2514
.040	1.0887
.050	.9585
.060	.8271
.080	.8548
.100	.7885
.112	.7586
.150	.6563
200	.2718
.300	.3320
.400	.4185
.500	.5078
.600	.5367
.700	.5401
.800	5091
850	.4357
.950	.2629
.975	.2448
1.004	.0630
1.025	.1996
1.050	.1959

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5435
.005	1.5294
.010	1.2418
.020	.6852
.030	.8732

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA05)

ALPHA (2) = 19.688 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.7313
.050	.6183
.060	.5112
.080	.5062
.100	.4532
.112	.4271
.150	.3575
.200	.2677
300	.1814
.400	.1878
.500	.1969
600	.1936
700	.1978
.800	.1866
.850	.1623
.950	.1193
.975	.1158
1.004	.0566
1.025	.1177
1.050	.1126

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8781
.005	1.8494
.010	1.7520
.020	1.3673
.030	1.5216
.040	1.3871
.050	1.2801
.060	1.1719
.080	1.1876
.100	1.1092
.112	1.0649
.150	.9644
.200	.8946
.300	.4556
.400	.6033
.500	.7518
.600	.8112

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA05)

ALPHA (3) = 39.579 MACH (1) = 7 320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.8455
.800	.8063
.850	.7158
.950	.5364
.975	.5420
1.004	.0814
1.025	.3035
1.050	.3362

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5498
.005	1 5341
.010	1.2436
.020	.8174
.030	.8655
.040	.7133
050	.5945
.060	.5045
.080	.4756
.100	.4274
.112	.4006
.150	.3307
.200	.2685
300	.1387
400	.1473
.500	.1738
.600	.2329
.700	.2567
.800	.2492
.850	.1963
.950	.0888
.975	.0764
1.004	.0209
1.025	.0741
1.050	.0735

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.1494
005	1.6685
.010	1.4533
.020	1.0821
.030	1.1672

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA06)

ALPHA (2) = 29.831 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.9852
.050	.8593
.060	.7344
.080	.7588
.100	.7008
.112	.6646
.150	.5676
.200	.5590
.300	.4752
.400	.5040
.500	.5324
.600	.5376
700	.5600
.800	.5237
.850	.4496
.950	.2880
.975	2755
1.004	.0117
1.025	.1947
1.050	.2362

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7368
.005	1.7609
.010	1.6490
.020	1.3617
.030	1.4917
.040	1.3520
.050	1.2547
.060	1.0820
.080	1.1660
.100	1.0826
.112	1.0333
.150	.9269
.200	.9272
.300	.8536
.400	.8764
.500	.8751
.600	.8946

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA06)

ALPHA (3) = 40.016 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.9100
.800	.8778
.850	.7791
.950	.5810
.975	.5657
1.004	.0416
1.025	.5404
1.050	.5455

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5536
.005	1.5735
.010	1.2800
.020	.7020
.030	.9069
.040	.7500
.050	6310
.060	.5396
.080	.5234
.100	.4704
.112	.4433
.150	.3696
.200	.2702
.300	.1970
.400	.2258
.500	.2739
.600	.2926
.700	.2995
.800	.2828
.850	.2351
.950	.2079
.975	.2060
1.004	.0718
1.025	.1709
1.050	.3049

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3 0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	-1.2626
.005	1.7806
.010	1.5710
.020	1.0588
.030	1.2729

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA07)

ALPHA (2) = 29.758 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	1.0926
.050	.9632
.060	.8648
.080	.8579
.100	.7955
.112	.7565
.150	.6565
.200	.5566
.300	.5283
.400	5686
.500	.5863
.600	.5939
.700	.6107
.800	.5703
.850	.4953
.950	.4457
.975	.4477
1 004	0798
1 025	.5486
1.050	.8866

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
000	.8742
.005	1.8733
.010	1.7758
.020	1.3839
.030	1.5657
040	1.4114
050	1.3141
060	1.2223
.080	1.2205
.100	1.1334
112	1.0942
150	.9888
200	9089
300	.8570
.400	.8685
.500	8995
.600	.9125

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA07)

ALPHA (3) = 39.985 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.9435
.800	.9020
.850	.8019
.950	.7047
.975	.7209
1.004	.0972
1.025	1.2658
1.050	1.3996

ARC 3.5-198 0H39 140C ORB BOTTOM CENTER LINE (REZA08) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15 667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5284
.005	1.5290
.010	1.2404
.020	7947
.030	.8656
.040	7064
.050	.5806
.060	.5025
080	.4708
.100	.4185
.112	.3892
.150	3192
.200	2702
.300	.1026
400	.1066
.500	.1104
.600	1192
.700	.1192
.800	.1079
.850	.0851
.950	.0565
975	.0621
1.004	.0063
1.025	.1399
1.050	.4570

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2008
.005	1.7470
.010	1.5240
.020	1.1528
.030	1.2356

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA08)

ALPHA (2) = 29.917 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	1.0571
.050	.9252
.060	.8059
.080	.8266
.100	.7608
.112	.7330
.150	.6273
.200	.5681
.300	.2221
.400	.2439
.500	.2919
.600	.5348
.700	.5877
.800	.5553
.850	.4706
.950	.3064
.975	2833
1.004	.0297
1.025	8600
1.050	.9298

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7706
.005	1.7962
.010	1.6697
.020	1.3912
030	1.5237
.040	1.3865
.050	1.2894
.060	1.1245
.080	1.1937
100	1.1148
.112	1.0657
.150	.9576
.200	.9346
.300	.8592
.400	.8847
.500	8818
.600	.8952

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA08)

ALPHA (3) = 40.015 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.9117
.800	.8946
.850	.7848
.950	.5796
.975	.5649
1.004	.0000
1.025	.9220
1.050	.9209

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA09) (23 SEP 74)

REFERENCE DATA - PARAMETRIC DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000	BETA =	.000	ELEV-L =	5.050
LREF =	1290.3000 IN.	YMRP =	.0000	ELEV-R =	4.100	SPDBRK =	.000
BREF =	1290.3000 IN.	ZMRP =	.0000	BDFLAP =	22.333	RN/L =	3.000
SCALE =	.0100						

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5981
.005	1.5962
.010	1.3166
.020	.7653
.030	.9140
.040	.7601
.050	.6352
.060	5610
.080	.5240
.100	.4728
.112	.4438
150	.3713
.200	.2829
.300	.2165
.400	.2531
.500	.2939
.600	.3115
.700	.3135
.800	.2962
850	.2480
.950	.2449
975	.2486
1.004	.1020
1.025	.2548
1.050	.7005

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.4588
.005	1.7234
.010	1.4747
.020	.9602
.030	1.1024

ARC 3.5-19B OH38 140C ORB BOTTOM CENTER LINE (REZA09)

ALPHA (2) = 24.974 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP'

BL .0000

X/L	
.040	.9301
.050	.7956
.060	.7174
.080	.6621
.100	.6250
.112	.5905
.150	.5004
.200	.4090
.300	.2803
.400	.3954
.500	.4354
.600	.4589
.700	.4622
.800	.4332
.850	.3729
.950	.3532
.975	.3577
1.004	.0935
1.025	.5008
1.050	1.1533

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2043
.005	1.7449
.010	1.5367
.020	.9909
.030	1.2246
.040	1.0467
.050	.9187
.060	.8038
.080	.8171
.100	.7549
.112	.7178
.150	.0000
.200	.5641
.300	.4983
.400	.5276
.500	.5419
.600	.5525

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA09)

ALPHA (3) = 29.770 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.5647
.800	.5217
.850	.4525
.950	.4278
.975	4352
1.004	.2040
1.025	6939
1.050	1.3260

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.0170
.005	1.8049
.010	1 6510
.020	1 1713
.030	1.3827
.040	1.2108
.050	.0000
.060	.9839
.080	1.0054
.100	.9338
.112	.8928
.150	.7814
.200	.7436
300	.6690
.400	.6821
.500	.7018
600	7089
.700	.7243
.800	.6794
.850	.5961
.950	.5578
.975	.5702
1.004	.2343
1.025	1.1368
1 050	1.5534

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA09)

ALPHA (5) = 40.056 MACH (1) = 7 320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8301
.005	1.8360
.010	1.7435
.020	1.3488
.030	1.5204
.040	1.3738
.050	1.2699
.060	1.1826
.080	1.1818
.100	1.0968
.112	1.0516
.150	.9486
.200	.9197
.300	.8119
.400	.8283
.500	8526
600	.8672
.700	.8970
.800	.8502
.850	.7519
.950	.7002
.975	.7374
1.004	.1342
1.025	1.4849
1.050	1.7749

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA10) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = 000 ELEV-L = 5.050
ELEV-R = 4 100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19 811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5204
.005	1.5310
.010	1.2692
.020	.9755
.030	.8760
.040	.7155
.050	.5973
.060	.4888
.080	.4801
.100	.4347
.112	.4095
.150	.3353
.200	.2789
.300	.1450
.400	.1385
.500	.1502
.600	.1608
.700	.1626
.800	.1548
.850	.1168
.950	.0753
.975	.0739
1.004	0313
1.025	.6536
1 050	8814

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3530
.005	1.6486
.010	1.4127
020	1.1546
.030	1.0688

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA10)

ALPHA (2) = 24.900 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8903
.050	.7666
.060	.6358
.080	.6493
.100	.6027
.112	.5690
.150	.4769
.200	.4087
.300	.3562
.400	.3930
.500	.4173
.600	.4343
700	.4381
.800	.4089
.850	.3472
950	.2066
.975	.1973
1.004	.0462
1.025	.9776
1.050	1.1475

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.1944
.005	1.7371
.010	1.5275
.020	1.1576
.030	1.2227
.040	1.0360
.050	.9201
.060	.8152
.080	.8148
.100	.7570
.112	.7183
.150	.6156
.200	.5642
.300	.5597
.400	.5650
.500	.5952
.600	5896

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA10)

ALPHA (3) = 29.722 MACH [illegible] 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.6142
.800	.5764
.850	.4903
.950	.3281
.975	.3245
1.004	.0521
1.025	1.2339
1.050	1.3611

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.9955
.005	1.8109
.010	1.6483
.020	1.3141
.030	1.3924
.040	1.2230
.050	1.1160
.060	.9747
.080	1.0189
.100	9599
.112	.9010
.150	.7889
.200	.7514
.300	.7107
.400	.7234
.500	.7373
.600	.7415
.700	.7604
.800	.7301
.850	.6357
.950	.4471
.975	.4352
1.004	.1075
1.025	1.4096
1.050	.0000

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA10)

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7828
.005	1.8172
.010	1.7169
.020	1.4485
.030	1.5419
.040	1.3979
.050	1.3007
.060	1.1887
.080	1.2103
.100	1.1247
.112	1.0783
.150	.9706
.200	.9218
.300	.8678
.400	.8786
.500	.8875
.600	.8936
.700	.9173
.800	.8874
.850	.7785
.950	.5776
.975	.5732
1.004	.1303
1.025	.0000
1.050	.0000

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5144
.005	1.5112
.010	1.2522
.020	.9601
.030	.8603
.040	7049
.050	.5927
.060	.4679
.080	.4830
.100	.4331
.112	.4061
.150	.3343
.200	.2684
.300	.1207
.400	.1237
.500	.1337
600	.1350
.700	.1332
800	.1274
.850	1092
.950	.0705
.975	.0745
1.004	.0258
1.025	.0711
1.050	.0685

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
.000	1.1997
.005	1.7377
.010	1.5471
.020	1.3269
.030	1.2270

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA11)

ALPHA (2) = 29.598 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	1.0436
.050	.9217
.060	.7807
.080	.8159
.100	.7579
.112	.7204
.150	.6166
.200	.5486
.300	.2490
.400	.2609
.500	.2673
.600	.2796
.700	.2874
.800	.2634
850	.2222
950	.1441
.975	.1523
1.004	.0300
1.025	.1473
1.050	.1481

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8181
.005	1.8433
.010	1.7579
.020	1.6321
030	1.5234
.040	1.3699
050	1.2792
060	1.1384
.080	1.1735
.100	1.1051
.112	1.0567
.150	.9489
.200	.9061
.300	.7631
.400	.7928
.500	.8169
.600	8440

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZAII)

ALPHA (3) = 39.968 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.8752
.800	.8295
.850	.7346
950	.5375
.975	.5620
1.004	.0545
1.025	3054
1.050	.3240

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA12) (23 SEP 74)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5504
.005	1.5382
.010	1 2813
020	.9799
.030	.8691
040	.7127
.050	.5958
.060	.4887
.080	.4833
.100	.4330
.112	.4038
.150	.3324
.200	.2761
.300	.1215
.400	.1293
.500	.1369
600	.1382
.700	.1412
.800	.1268
.850	.1106
950	.0697
.975	.0655
1.004	.0286
1.025	.0320
1.050	.0301

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.0000
005	.0000
.010	.0000
.020	.0000
.030	.0000

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA12)

ALPHA (2) = 24.857 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.0000
.050	.0000
.060	.0000
.080	.0000
.100	.0000
.112	.0000
.150	.4630
.200	.0000
.300	.1873
.400	.1912
.500	.1960
.600	.2033
.700	.1988
.800	.1846
.850	.1564
950	.0968
.975	.0983
1 004	.0147
1.025	.0333
1.050	.0317

ALPHA (3) = 29 654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2527
.005	1.7639
010	1.5787
.020	1.3406
.030	1.2254
.040	1.0414
.050	.9149
060	.7945
.080	.8072
.100	.7465
.112	.7092
.150	.6076
.200	.5492
300	.2782
.400	.2805
500	.2834
.600	2909

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA12)

ALPHA (3) = 29.654 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.2942
.800	.2752
.850	.2182
.950	.1504
.975	.1473
1.004	.0153
1.025	.0508
1.050	.0422

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.0621
.005	1.8630
.010	1.7389
.020	1.5517
.030	1.4273
.040	1 2575
.050	1.1472
.060	1.0109
.080	1.0456
.100	.9742
.112	9326
.150	8213
.200	.7410
.300	.3598
.400	.3879
.500	.4779
.600	.6468
700	.7120
.800	.6821
.850	.5557
.950	.3798
.975	.3287
1.004	.0751
1.025	.1258
1.050	.1216

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA12)

ALPHA (5) = 40.004 MACH (∞) = 7.320 RN/L = 3.4547 Q = 4.8799 P = 1.3010 CPSTAG = 1.8292

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8743
.005	1.8892
.010	1.8292
.020	1.6849
030	1.5693
.040	1.4204
.050	1.3221
.060	1 1836
.080	1 2233
.100	1.1417
.112	1.0967
.150	.9867
200	.9178
.300	.5712
.400	8426
.500	8773
.600	8965
.700	.9254
.800	.8905
.850	.7890
950	.5885
975	.5842
1.004	.0886
1 025	.1749
1.050	.1692

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA13) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5298
005	1.5393
010	1.2537
.020	.9758
030	.8895
040	.7245
.050	.5984
060	.4851
080	.4875
.100	.4342
.112	.4062
.150	.3329
.200	.2726
.300	.1384
400	.2051
.500	.2528
.600	.2758
700	.2880
.800	.2705
850	.2168
.950	.0810
975	.0579
1.004	.0101
1.025	.0192
1.050	.0151

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
000	1.3444
005	1.6442
.010	1.3993
.020	1.1447
.030	1.0600

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA13)

ALPHA (2) = 24.903 MACH (_1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8781
.050	.7492
.060	.6314
.080	.6368
.100	.5843
.112	.5541
.150	.4682
.200	.4136
.300	.0000
.400	.0000
.500	.4156
.600	.4310
.700	.4479
.800	.4152
.850	3415
.950	.2025
.975	.1904
1.004	.0140
1 025	.0326
1 050	.0287

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
.000	1.1335
.005	1.7458
.010	1.5142
.020	1.2938
.030	1 2462
.040	1.0614
050	9416
.060	.7616
080	.8394
.100	.7790
112	.7378
.150	.6355
.200	5905
.300	.5462
400	.5593
.500	.5777
600	.5675

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA13)

ALPHA (3) = 29.753 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.5904
.800	.5594
850	.4653
950	.2941
.975	.2864
1.004	.0167
1.025	0516
1 050	.0443

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.9466
.005	1.8192
.010	1.6566
.020	1.4553
.030	1.4025
.040	1.2263
.050	1.1191
.060	.9526
.080	1.0181
.100	9466
.112	.8992
.150	.7896
200	.7597
.300	.7104
.400	.7242
500	.7481
.600	.7539
.700	.7666
.800	.7360
.850	.6318
.950	.4355
975	.4291
1.004	.0227
1 025	.0991
1.050	.0887

ARC 3.5-199 OH39 140C ORB BOTTOM CENTER LINE (REZA13)

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7671
.005	.0000
.010	1.7507
.020	1.5965
.030	1.5680
.040	1.4245
.050	1.3357
.060	1.1588
.080	1.2341
.100	1.1527
.112	1.1039
.150	.9923
.200	.9414
.300	.9048
.400	0000
.500	.0000
.600	.0000
.700	0000
.800	.0000
.850	.7916
.950	.5983
.975	.5923
1.004	0547
1.025	1284
1.050	.1220

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5053
.005	1.5062
.010	1.2430
.020	.9488
.030	.8413
.040	.6990
.050	.5806
.060	.4594
.080	4714
.100	.4202
.112	.3858
.150	.3186
.200	.2653
.300	.0841
.400	.0832
.500	.0933
.600	.0892
.700	.0900
.800	.0844
.850	.0691
.950	0406
975	.0427
1 004	.0076
1.025	.0373
1.050	.0387

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
000	1.1916
.005	1.7356
.010	1.5508
.020	1.3256
.030	1.2081

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA14)

ALPHA (2) = 29.553 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	1.0420
.050	.9132
.060	.7602
.080	.8106
.100	.7489
.112	.6986
150	.6054
.200	.5537
300	.1843
400	.1909
.500	.1985
.600	.1966
.700	.2028
.800	.1850
.850	.1472
.950	.0932
.975	.0930
1.004	.0063
1.025	.0840
1.050	0879

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8061
.005	1.8258
.010	1.7502
.020	1.6172
.030	1.5096
.040	1.3552
.050	1.2660
.060	1.1320
.080	1.1734
.100	1.0968
.112	1.0288
.150	.9392
.200	.9177
.300	.3859
.400	.7323
.500	.8142
.600	.8405

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA14)

ALPHA (3) = 39.949 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.8723
.800	.8364
850	.7272
.950	.5278
.975	5216
1.004	.0217
1.025	.1825
1.050	2073

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA15) (27 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000	BETA =	.000	ELEV-L =	-40.117
LREF =	1290.3000 IN.	YMRP =	.0000	ELEV-R =	-39.717	SPDBRK =	.000
BREF =	1290.3000 IN.	ZMRP =	.0000	BDFLAP =	000	RN/L =	6.500
SCALE =	.0100						

PARAMETRIC DATA

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5209
.005	1.5220
.010	1.2355
020	.9549
.030	.8662
.040	7110
.050	.5868
.060	.4719
.080	4751
.100	4268
.112	4017
.150	3258
.200	.2199
300	.1254
.400	.1769
.500	.2411
.600	.2663
700	.2812
.800	.2625
850	2098
950	.0602
.975	.0554
1.004	0039
1 025	.0453
1.050	.0499

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
.000	1.1754
.005	1.7310
.010	1.5299
.020	1.3227
.030	1 2179

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA15)

ALPHA (2) = 29.623 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	1.0324
.050	.9070
.060	.7681
.080	.8009
.100	.7430
.112	.7063
.150	.6017
.200	.5554
.300	.5070
.400	.5278
.500	.5596
.600	.5637
.700	.5840
.800	.5557
.850	.4588
.950	.2919
.975	2813
1 004	.0101
1.025	.1109
1.050	.1302

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7833
.005	.0000
.010	1.7272
.020	1.5859
.030	1.5387
.040	1.4025
050	1.3168
060	1.1489
080	1 2310
.100	1.1465
.112	1.0918
150	.9844
200	.9347
.300	.9016
.400	.0000
.500	.0000
600	.0000

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA15)

ALPHA (3) = 40.081 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.0000
.800	.0000
.850	.8185
.950	.5997
.975	.5945
1.004	.0597
1.025	.5062
1.050	.5295

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1 8297

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
000	1.5512
.005	1.5395
.010	1.1450
.020	.2333
.030	.8617
.040	.7008
.050	5835
060	.4769
.080	.4753
100	.4211
112	.3810
.150	.3224
.200	.2767
300	2671
.400	.2771
.500	.2986
.600	3058
700	.3059
800	.2896
850	.2449
.950	.1448
975	.1408
1 004	-.0064
1.025	-.0159
1.050	.1088

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
000	1.3934
005	1.6662
.010	1.3008
020	.3614
.030	1.0541

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE. (REZA16)

ALPHA (2) = 24.797 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8759
.050	.7499
.060	.6356
.080	.6380
.100	5789
.112	.5311
.150	.4531
.200	.4109
.300	.4076
400	.4275
.500	.4455
.600	.4611
.700	.4643
.800	.4348
.850	.3738
.950	.2356
.975	.2291
1.004	-.0040
1.025	-.0158
1.050	.1896

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2220
.005	1.7477
.010	1.4339
.020	.5071
.030	1.2199
.040	1.0288
.050	.9040
.060	.7898
.080	.7990
100	.7361
.112	.6809
.150	.5982
.200	.5598
.300	.5482
.400	.5750
.500	.5921
.600	.6090

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA16)

ALPHA (3) = 29.720 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.6219
.800	.5880
.850	.5104
.950	.3430
.975	.3375
1.004	.0044
1.025	-.0164
1.050	2965

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.0220
.005	1 8226
.010	1.3385
.020	.6571
.030	1.3976
.040	1.2198
.050	1.1137
.060	.9737
.080	1.0220
.100	.9476
.112	.8858
.150	.7966
.200	.7402
.300	.7576
.400	.7637
.500	.7834
.600	.7898
.700	.8159
.800	.7841
.850	.6876
.950	.4925
.975	4962
1.004	.0132
1.025	-.0079
1.050	.4302

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA16)

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.5398
.005	1.7635
.010	1.5203
.020	.7554
.030	1.6857
.040	1.6043
.050	1.5414
.060	1.4247
.080	1.4701
.100	1.3761
.112	1.3196
.150	1.2463
.200	1.2412
.300	1.2298
.400	1.2305
.500	1.2508
.600	1 2649
.700	1.2889
.800	1 2619
.850	1.1483
.950	.9622
.975	.9576
1.004	.0358
1.025	.0030
1.050	.8713

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA17) (26 JUL 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	-1 000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	15.667	RN/L =	3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1 5421
.005	1.5280
.010	1.0200
.020	.1825
.030	.8547
.040	.6933
.050	.5766
.060	.4675
.080	.4677
.100	4149
.112	.3767
.150	.3181
.200	.2703
.300	.2666
.400	.2757
.500	.2954
.600	.3082
.700	.3053
.800	.2864
.850	2446
950	.2160
.975	.2190
1.004	-.0013
1.025	-.0091
1.050	.3477

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.0000
.005	.0000
.010	.0000
.020	.3840
.030	1.2219

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA17)

ALPHA (2) = 29.665 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	1.0394
.050	.9143
060	.7893
080	.8122
.100	.7468
.112	.6912
.150	.6070
200	.0000
.300	.5621
.400	.5825
.500	.6022
600	.6107
.700	6260
.800	.5918
850	.5129
950	.4567
975	.4585
1 004	.0100
1 025	.0041
1.050	.8873

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8352
.005	1.8387
.010	1.5358
.020	..5870
.030	1.5203
.040	1.3630
.050	1 2671
.060	1.1417
.080	1.1761
.100	1.0920
.112	1 0252
.150	9373
.200	9150
300	9249
.400	.9262
.500	.9526
.600	.9603

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA17)

ALPHA (3) = 39.966 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.9899
.800	.9613
.850	.8485
.950	.6451
.975	.6320
1.004	.0376
1.025	.1169
1.050	1.4475

ARC 3.5-198 CH38 140C ORB BOTTOM CENTER LINE (REZA18) (23 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	-1.000	ELEV-L =	.117
ELEV-R =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.6532
.005	1.3771
.010	.8219
.020	.1288
.030	.6685
.040	.5301
.050	.4325
.060	.3507
.080	.3289
.100	.2818
.112	.2480
.150	.2232
.200	.1696
.300	.1493
.400	.1526
.500	.1617
.600	.1683
.700	.1793
.800	1747
.850	.1521
.950	.0949
.975	.0837
1 004	0055
1.025	.0002
1.050	.0632

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5302
.005	1.5076
.010	.9645
.020	.1818
.030	.8228

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA18)

ALPHA (2) = 19.668 MACH (1) = 10.290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.6718
.050	.5531
.060	.4673
.080	.4463
.100	.3924
.112	.3579
.150	.3076
.200	.2577
.300	.2472
.400	.2610
500	.2762
.600	.2883
.700	.2939
.800	.2834
.850	.2392
.950	1447
.975	.1369
1.004	.0076
1.025	.0002
1 050	1112

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3812
.005	1.6356
.010	1.0986
.020	.1986
.030	1.0130
.040	.8391
.050	.7226
.060	.6072
.080	.6108
.100	.5528
.112	.5070
.150	4387
.200	2.2240
.300	3857
.400	4102
.500	.4260
.600	.4291

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA18)

ALPHA (3) = 24.801 MACH (1) = 10.290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.4352
.800	.4137
.850	.3595
.950	.2282
.975	.2138
1.004	.0064
1.025	-.0090
1.050	.1759

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2191
.005	1.7324
.010	1.2520
.020	.2866
.030	1.1893
.040	1.0036
050	.8803
.060	.7682
.080	.7721
.100	.7111
.112	.6564
.150	.5733
.200	2 3682
.300	5311
.400	.5583
.500	.5750
.600	.5752
.700	5815
.800	.5578
.850	.4887
.950	.3278
.975	.3146
1.004	.0141
1.025	-.0074
1.050	.2781

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA18)

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.0357
.005	1 7898
.010	1.3496
.020	.4341
.030	1.3492
.040	1.1773
.050	1.0574
.060	.9373
.080	9535
.100	.8845
.112	.8223
.150	.7323
.200	2.5444
.300	.7079
.400	.7212
.500	.7407
.600	.7489
.700	.7505
.800	.7263
.850	.6395
.950	.4573
.975	.4480
1 004	.0228
1.025	-.0012
1.050	.4177

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	8404
.005	1.8339
.010	1.4506
.020	.4341
.030	1.4945
.040	1 3382
.050	1.2549
060	1 1141
.080	1.1624
.100	1.0750
.112	1.0083
.150	.9230

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA18)

ALPHA (6) = 40.049 MACH (1) = 10.290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.200	2.7264
.300	.8874
.400	.9153
.500	.9290
.600	.9326
.700	.9476
.800	.9194
.850	.8193
.950	.6200
.975	.6098
1.004	.0427
1.025	.0074
1.050	.5727

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.0143
005	.0217
.010	.0113
.020	.0077
.030	.0460
.040	.0537
.050	.0650
.060	.0632
080	.1436
.100	.2756
.112	1.0238
.150	1 0838
200	1 9703
.300	1 0571
.400	1 0624
.500	1 0835
.600	1.0966
.700	1.1084
.800	1.0714
.850	9717
.950	7654
975	7615
1.004	0567
1.025	.0135

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA18)

ALPHA (7) = 44.248 MACH (1) = 10 290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
1.050	.7131

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.4230
.005	1.3990
.010	.7811
.020	.1493
.030	.7747
.040	.6265
.050	.5194
.060	.4390
.080	.4194
.100	.3704
.112	.3304
.150	.2891
.200	.2436
.300	.2257
.400	.2379
.500	.2514
.600	.2591
.700	.2755
.800	.2649
.850	.2266
.950	.2147
.975	.2144
1.004	.0142
1.025	-.0006
1.050	.3112

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3247
.005	1.5343
.010	.9558
.020	.2278
.030	.9426

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA19)

ALPHA (2) = 24.815 MACH (1) = 10.290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.7865
.050	.6682
060	.5730
.080	.5631
.100	.5071
.112	.4551
.150	.4029
.200	.3601
.300	.3460
.400	.3654
.500	.3769
.600	.3848
.700	.3942
.800	.3711
850	.3326
950	.3062
.975	.3190
1.004	.0205
1.025	-.0001
1.050	.5483

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.1208
.005	1.5854
.010	1.1385
.020	.3326
.030	1.1108
.040	.9541
.050	.8314
060	7321
.080	.7343
.100	.6637
.112	6226
.150	.5425
.200	.5035
.300	.5016
.400	.5159
.500	.5245
.600	.5279

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZAI9)

ALPHA (3) = 29.743 MACH (1) = 10.290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.5301
.800	.5147
.850	.4484
.950	.4087
.975	.4268
1.004	.0250
1.025	.0033
1.050	.7855

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.9905
.005	1.7032
.010	1.2951
.020	.4335
.030	1.3044
.040	1.0971
.050	.9898
.060	.8994
.080	.8948
.100	.8408
.112	.7786
.150	.7018
.200	.6599
.300	6294
.400	.6732
.500	6764
.600	6606
.700	7039
.800	.6775
.850	.5983
.950	4982
.975	.5350
1.004	.0325
1.025	.0070
1.050	1.0894

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA19)

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7654
.005	1.7013
.010	1.2551
.020	.5432
.030	1.4264
.040	1.2564
.050	1.1814
.060	1.0453
.080	1.0932
.100	1.0230
.112	.9548
.150	.8730
.200	8513
.300	.8579
.400	.8644
.500	.8733
.600	.8574
.700	.8527
.800	.8335
.850	.7368
.950	.6758
.975	.7236
1.004	.0518
1 025	.0170
1 050	1.3142

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.6636
005	1.7012
010	1.3681
.020	.5338
.030	1 5061
040	1.3769
.050	1.3069
.060	1.1944
.080	1.2368
.100	1.1346
.112	1 0837
.150	1 0096

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA19)

ALPHA (6) = 44.187 MACH (1) = 10.290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.200	.9717
.300	.4833
.400	.4935
.500	.9936
.600	.9935
.700	.9725
.800	.9526
.850	.8456
.950	.7648
.975	8434
1.004	0552
1.025	.0177
1.050	1.5687

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA20) (23 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	.117
ELEV-R =	.000	SPDBRK =	.000
BDFLAP =	000	RN/L =	1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.4208
.005	1.3871
.010	.8928
.020	.1365
.030	.7586
.040	.6179
.050	.5188
.060	.4272
.080	.4078
.100	.3561
.112	.3199
.150	.2789
.200	.2440
.300	.2203
400	.2288
.500	.2434
600	.2534
.700	.2605
.800	.2554
.850	.2202
.950	.1343
.975	.1260
1.004	.0033
1.025	-.0020
1.050	0995

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3172
.005	1.5234
010	1.0594
.020	.2275
.030	9340

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA20)

ALPHA (2) = 24.851 MACH (1) = 10.290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.7776
.050	.6521
.060	.5688
.080	.5491
.100	.4989
.112	.4501
.150	.3936
.200	.3612
.300	.3428
400	.3593
.500	.3746
.600	.3789
.700	.3852
.800	.3730
.850	.3191
950	.2087
.975	.1983
1.004	.0101
1.025	-.0004
1.050	.1730

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2370
.005	1.7310
.010	1 2733
.020	.3067
.030	1 2011
040	1.0174
050	.8885
060	.7894
.080	.7834
.100	.7197
.112	6674
.150	.5803
.200	.5379
.300	.5460
.400	.5704
.500	.5891
.600	.5925

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA20)

ALPHA (3) = 29.725 MACH (1) = 10.290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.5965
.800	.5747
.850	.4984
.950	.3361
.975	.3260
1.004	.0218
1.025	.0042
1.050	.2894

ALPHA (4) = 34 881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.0501
.005	1.8099
.010	1.4245
.020	.4123
030	1.3633
.040	1.1835
.050	1.0612
060	.0000
.080	.9680
.100	8926
112	.8303
150	.7397
.200	.7027
.300	.7128
400	.7341
.500	.7456
.600	.7570
700	.7562
.800	.7282
850	.6433
.950	.4622
975	4543
1 004	.0345
1 025	.0064
1.050	.4237

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA20)

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8518
.005	1.8283
.010	1.3276
.020	.6047
.030	1.5237
.040	1.3736
.050	1.2745
.060	1.1373
080	1.1859
.100	1.1046
.112	1 0406
.150	9473
.200	.9041
.300	.9131
.400	.9175
.500	.9340
.600	.9406
.700	.9463
.800	.9245
.850	.8264
.950	.6221
.975	6154
1.004	.0453
1.025	0159
1 050	.5682

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7114
.005	1.8189
.010	1 4609
.020	.5665
030	1.6175
.040	1.4818
.050	1.4008
.060	1.2672
.080	1.3116
.100	1.2163
.112	1.1564
.150	1 0792

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA20)

ALPHA (6) = 44.136 MACH (1) = 10.290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.200	1.0421
.300	1.0441
.400	1.0496
.500	1.0689
.600	1.0758
.700	1.0880
.800	1.0494
.850	.9451
.950	.7495
.975	.7425
1.004	.0505
1.025	.0146
1 050	.6986

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA30) (27 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPOBRK =	.000
BDFLAP =	15.667	RN/L =	3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5502
.005	1.5459
.010	1.0715
.020	.3959
.030	.8761
.040	.7191
.050	.6002
060	.5312
080	.4921
.100	.4385
112	.4001
.150	.3383
.200	2666
.300	.2853
.400	.2950
.500	.3127
.600	.3259
700	.3234
.800	3026
850	.2608
.950	.2277
.975	.2317
1.004	.0124
1.025	.0079
1.050	.2941

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.0000
.005	.0000
.010	.0000
.020	.0000
.030	.0000

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA30)

ALPHA (2) = 24.590 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.0000
.050	.0000
.060	.0000
.080	.0000
.100	.0000
.112	.0000
.150	.0000
.200	.0000
.300	.0000
.400	.0000
.500	.0000
.600	.0000
.700	.0000
.800	.0000
.850	.0000
.950	.0000
.975	.0000
1.004	.0000
1.025	.0000
1.050	.0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3513
.005	1.6586
.010	1.2937
.020	.0216
.030	1.0478
.040	.8784
.050	.7494
.060	.6856
.080	.6383
.100	.5841
.112	.5363
.150	.4587
.200	.4015
.300	.4127
.400	.4331
.500	.4462
.600	.4597

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA30)

ALPHA (3) = 35.000 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.4646
.800	.4318
.850	.3742
.950	.3334
975	.3367
1 004	.0080
1 025	-.0124
1.050	.6304

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8199
.005	1.8395
.010	1.5780
020	1 0037
.030	1.5425
040	1.3989
050	1.3014
060	1.2257
.080	1.2125
.100	1 1241
.112	1 0562
.150	9708
.200	.9331
300	9494
400	.9511
.500	.9721
600	.9777
700	1 0088
800	.9758
850	.8711
950	7226
.975	.7557
1.004	.0415
1.025	.0739
1 050	1.2873

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA30)

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.6789
.005	1.8200
.010	1.5486
.020	1.1232
.030	1.6296
.040	1.5115
.050	1.4331
.060	1.3097
.080	1.3400
.100	1.2480
.112	1.1762
.150	1.0979
.200	1.0772
.300	1.0867
.400	1.0909
.500	1.1091
.600	1.1235
.700	1.1532
.800	1.1180
.850	1 0172
.950	.8070
975	.7957
1.004	.0481
1 025	.1169
1.050	1.4731

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.5398
.005	1.7511
.010	1.7406
.020	.0624
.030	1.6818
.040	1.5994
.050	1.5452
.060	1.4983
080	1.4629
.100	1.3807
.112	1 3285
.150	1.2489

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA30)

ALPHA (6) = 48.692 MACH (I) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.200	1.2427
.300	1.2319
.400	1.2404
.500	1.2552
.600	1.2689
.700	1.2870
.800	1.2629
.850	1.1591
950	.9710
975	.9998
1.004	.0412
1.025	.0098
1.050	1.7838

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6 500

ALPHA (1) = 19.585 MACH (1) = 7.320 .RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5129
.005	1.5227
.010	1.0367
.020	.5195
.030	.8658
.040	.7033
.050	.5876
.060	.4315
.080	.4772
.100	.4249
.112	3835
.150	.3197
.200	.2723
.300	.2728
.400	.2836
.500	.3023
.600	.3201
.700	3263
.800	3063
.850	.2577
.950	.1475
.975	.1406
1.004	-.0085
1.025	.0284
1.050	.4262

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.1773
.005	1.7258
.010	1.3248
.020	.8692
.030	1.2158

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE (REZA31)

ALPHA (2) = 29.712 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	1.0267
.050	.9048
.060	.7973
.080	.8030
.100	.7427
.112	.6819
.150	.6006
.200	.5588
.300	.5710
.400	.5844
.500	.6161
.600	.6226
.700	.6498
.800	.6267
.850	.5344
.950	.3490
.975	.3333
1.004	- .0035
1.025	.0965
1.050	.8373

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA32) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.6483
.005	1.4173
.010	.9061
.020	.0236
.030	.6853
.040	.5532
.050	.4453
.060	.3920
080	.3418
.100	.2951
.112	.2620
150	.2158
.200	.1695
.300	.1625
.400	.1683
500	.1780
.600	.1795
700	.1861
.800	.1747
.850	.1489
.950	.0890
.975	.0793
1.004	-.0106
1.025,	-.0157
1 050	.0345

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5474
.005	1.5345
.010	1.0338
.020	.3711
.030	.8581

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA32)

ALPHA (2) = 19.534 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.6974
.050	.5799
.060	.3968
.080	.4695
.100	.4169
.112	.3781
.150	.3174
.200	.2697
.300	.2686
.400	.2772
.500	.2977
.600	.3142
.700	.3114
800	.2895
.850	.2466
.950	.1453
.975	.1416
1.004	-.0081
1.025	-.0179
1.050	.1061

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = 12830 CPSTAG = 1.8305

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3329
.005	1.6515
.010	1.1576
020	.5237
.030	1.0430
.040	.8693
.050	.7480
.060	.6710
.080	.6304
.100	5779
.112	.5312
.150	.4546
.200	.4013
300	.4063
.400	.4242
.500	.4365
.600	.4521

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA32)

ALPHA (3) = 24.445 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.4489
.800	.4222
.850	.3680
.950	.2336
.975	.2249
1.004	.0013
1 025	-.0142
1.050	.1860

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2112
.005	1.7359
.010	1.3218
.020	.6509
.030	1.2133
.040	1.0266
.050	.9036
.060	.7139
.080	.8014
.100	.7394
.112	.6851
150	.6002
.200	.5539
.300	.5597
.400	.5790
.500	.5988
.600	.8117
.700	6307
.800	.5967
.850	.5148
.950	.3427
.975	.3407
1.004	.0013
1 025	-.0154
1.050	.2866

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA32)

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.0207
.005	1.8030
.010	1.4580
.020	.8453
.030	1.3706
.040	1.1901
.050	1.0835
.060	.8906
.080	.9886
.100	.9181
.112	.8512
.150	.7645
.200	.7235
.300	.7324
.400	.7484
.500	.7722
.600	.7795
.700	.8102
.800	.7841
.850	.6829
.950	.4869
.975	.4905
1.004	.0120
1.025	-.0126
1.050	.4179

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8214
.005	1.8252
.010	1 6189
.020	.8123
.030	1.5082
.040	1.3483
.050	1 2697
.060	1 1909
080	1.1662
100	1.0953
.112	1.0256
.150	.9395

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA32)

ALPHA (6) = 39.964 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.200	.9165
300	.9227
.400	9223
.500	.9533
.600	.9579
.700	.9902
.800	.9614
.850	8477
.950	.6469
.975	.6290
1.004	.0210
1.025	-.0054
1.050	.5833

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.9303

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.6693
005	1.7971
.010	1.5841
.020	1.0211
.030	1.6187
.040	1.4958
.050	1 4251
.060	1 3439
.080	1.3218
.100	1.2394
.112	1.1702
.150	1 0959
200	1.0769
.300	1.0707
.400	1 0673
500	1 0879
.600	1.0982
.700	1.1241
.800	1.0953
.850	.9866
.950	.7899
.975	.7819
1.004	.0306
1.025	-.0003

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA32)

ALPHA (7) = 44.152 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
1.050	.6926

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.5417
.005	1.7553
.010	1.6266
.020	.0734
.030	1.6799
.040	1.6005
.050	1.5384
.060	1.4936
.080	1.4493
.100	1.3659
.112	1.3097
.150	1.2286
.200	1 2307
.300	1.2164
.400	1.2295
.500	1.2480
600	1 2718
700	1.2923
.800	1.2577
.850	.0000
.950	.0000
.975	.9546
1.004	.0458
1.025	.0000
1.050	6811

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5307
.005	1.5236
.010	1.0405
.020	.5557
.030	.8723
.040	.6885
.050	.5881
.060	.4124
.080	.4791
.100	.4308
.112	.3817
.150	.3274
.200	.2770
.300	.2782
.400	.2917
.500	.3078
.600	.3236
.700	.3371
.800	.3210
.850	.2660
.950	.1557
.975	.1457
1.004	-.0075
1.025	-.0150
1.050	.1145

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3040
.005	1.6567
.010	1.2510
.020	.0106
.030	1.0618

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA33)

ALPHA (2) = 24.599 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8851
.050	.7551
.060	.7013
.080	.6505
.100	.5996
.112	.5426
.150	.4717
.200	.4296
.300	.4265
.400	.4501
.500	.4667
.600	.4799
.700	.4965
.800	.4678
.850	.3960
.950	.2413
.975	.2284
1.004	-.0035
1 025	-.0160
1.050	.1832

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.9728
.005	1.8139
.010	1.5610
.020	.0178
.030	1.3917
.040	1 2197
.050	1 1096
.060	1.0533
080	1.0141
.100	.9439
.112	.8620
150	.7718
200	.7549
.300	.7494
.400	.6642
.500	.6863
.600	.6978

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA33)

ALPHA (3) = 31.394 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.7036
800	.6901
.850	.6363
.950	.5283
.975	.4900
1.004	.1861
1.025	.2093
1 050	.3914

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283 *

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7726
.005	1.7845
010	1.4697
020	1.1707
.030	1.5125
.040	1.3568
.050	1 2896
.060	1.1167
.080	1.2060
.100	1.1195
.112	1.0343
.150	9584
.200	.9196
.300	.9250
.400	.9480
.500	.9595
.600	9810
.700	1.0067
.800	1.0209
.850	.8943
950	.6588
.975	.6436
1.004	0089
1.025	-.0041
1.050	.5656

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.6444
.005	1.4285
.010	1.0093
.020	.0235
.030	.6981
.040	.5646
.050	.4571
.060	.4014
.080	.3535
.100	.3073
.112	.2740
.150	.2300
.200	.3199
300	.0000
.400	.0000
.500	.1894
.600	.1935
.700	.1954
.800	.1851
.850	.1571
.950	.0995
.975	.0897
1.004	.0077
1.025	.0058
1.050	.0231

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1 5233
.005	1.5201
.010	1.0257
.020	.3591
.030	.8547

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA34)

ALPHA (2) = 19.440 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.6880
.050	.5795
.060	.3428
.080	.4706
.100	.4178
.112	.3805
.150	.3183
.200	.2694
.300	.2726
.400	.2800
.500	.3015
.600	.3142
.700	.3126
.800	.2952
.850	.2494
.950	.1472
.975	.1387
1.004	-.0054
1.025	-.0121
1.050	.0225

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = 12860 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3517
.005	1.6601
.010	1.2229
.020	.4630
.030	1 0477
.040	.8734
.050	.7488
.060	.6744
.080	.6322
.100	.5793
.112	.5328
150	.4571
.200	.3991
.300	.40[illegible]
400	.4291
.500	.4479
.600	.4612

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA34)

ALPHA (3) = 24.719 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.4629
.800	.4341
.850	.3722
.950	.2397
.975	.2289
1.004	.0013
1.025	-.0109
1.050	.0541

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2084
.005	1.7522
.010	1.3537
.020	.6974
.030	1.2309
.040	1.0343
.050	.9208
.060	.6972
.080	.8160
.100	.7582
.112	.6993
.150	.6124
200	.5623
.300	5734
.400	5933
.500	.6015
.600	.6184
.700	.6295
800	.5934
.850	5157
.950	.3394
.975	.3291
1.004	.0066
1.025	-.0138
1.050	0939

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA34)

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.0112
.005	1.8171
.010	1.5378
.020	.7613
.030	1.3784
.040	1.2013
.050	1.0952
.060	1.0229
.080	.9897
.100	.9264
.112	.8647
.150	.7735
200	.7296
.300	.7385
.400	.7538
.500	.7837
600	.7098
700	.8150
.800	.7836
.850	.6829
.950	.4932
975	.4796
1.004	.0132
1.025	-.0062
1.050	.1738

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8173
.005	1.8212
.010	1.5469
.020	1.0056
.030	1.5096
.040	1.3468
.050	1.2612
.060	1.0156
.080	1.1698
.100	1.0885
.112	1.0185
.150	.9354

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA34)

ALPHA (6) = 39.895 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.200	.9205
.300	.9179
.400	.9249
.500	.9503
.600	.9602
.700	.9920
.800	.9650
.850	.8517
.950	.6426
.975	.6310
1.004	.0336
1.025	-.0035
1.050	.2449

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
.000	.6812
.005	1.8063
010	1 6034
.020	.9471
.030	1.6167
.040	1.4946
.050	1.4263
.060	1.3448
.080	1.3197
.100	1.2456
.112	1.1728
.150	1.0917
.200	1.0752
.300	1.0700
.400	1.0676
.500	1.0858
.600	1.0953
.700	1.1238
.800	1 0788
.850	9805
.950	.7897
.975	7827
1 004	.0321
1.025	.0025

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA34)

ALPHA (7) = 44.264 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
1.050	.3397

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.5419
.005	1.7442
.010	1.7180
.020	.0751
.030	1.6749
.040	1.5933
.050	1.5380
.060	1.4957
.080	1.4595
.100	1.3791
.112	1.3247
.160	1.2457
.200	1.2357
.300	.0000
.400	.0000
.500	1.1517
.600	1.1704
.700	1.1867
.800	1.1662
.850	1.0950
.950	9649
.975	.9327
1.004	.2606
1.025	.2212
1.050	.4749

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE (REZA35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5406
.005	1.5289
.010	1.0881
.020	.1006
.030	.8533
.040	.6896
.050	.5737
.060	.4603
.080	.4645
.100	.4107
.112	.3728
.150	.3130
.200	.2684
.300	.2620
.400	.2748
500	.2921
.600	.3063
.700	.3076
.800	2834
.850	.2433
.950	.2060
.975	.2065
1 004	-.0002
1.025	-.0109
1.050	.3813

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3989
.005	1 6608
.010	1.3164
.020	.1796
.030	1.0493

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA35)

ALPHA (2) = 24.886 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8553
.050	.7361
.060	.6210
.080	.6238
.100	.5629
.112	.5164
.150	.4400
.200	.4009
.300	.4079
.400	.4231
.500	.4436
.600	.4605
.700	.4561
.800	.4269
.850	.3629
.950	.3051
.975	.3106
1.004	.0169
1.025	.1496
1.050	.7078

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2056
.005	1.7384
.010	1.3775
.020	.2225
.030	1.2179
040	1.0223
.050	.9130
.060	.7678
.080	.8104
.100	.7446
.112	6915
.150	.6056
.200	.5602
.300	.5615
.400	.5823
.500	.5984
.600	.6062

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA35)

ALPHA (3) = 29.509 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.6207
.800	.5863
.850	.5068
.950	.4442
.975	.4450
1.004	.0101
1.025	-.0016
1.050	.9270

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.0038
.005	1.8056
.010	1.5132
.020	.3148
.030	1.3849
.040	1.1991
.050	1.0972
.060	.9564
.080	1.0083
.100	.9326
.112	.8719
.150	.7809
.200	.7482
.300	.7498
.400	.7556
.500	.7758
.600	.7838
.700	.8059
.800	7743
.850	.6795
.950	.5771
.975	.5918
1.004	.0149
1.025	.0104
1.050	1.1998

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA35)

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8150
.005	1.8351
.010	1.6497
.020	.3744
.030	1.5218
.040	1.3562
050	1.2742
.060	1.1328
.080	1.1786
.100	1.0964
.112	1.0243
.150	.9425
.200	.9247
.300	.9248
400	.9294
.500	.9544
600	.9601
.700	.9919
800	.9624
.850	.8494
.950	.6452
975	.6312
1.004	.0396
1.025	.1286
1.050	1.4150

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.6717
.005	1.8174
.010	1.5907
.020	.4357
.030	1.6235
.040	1.5076
.050	1.4335
.060	.2950
.080	1.3367
.100	1.2417
.112	1.1681
.150	1 0907

ARC 3.5-198 OH38 140C ORD BOTTOM CENTER LINE (REZA35)

ALPHA (6) = 44.132 MACH ( ) = 7.320

SECTION ( ) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.200	1.0711
.300	1.0708
.400	1.0724
.500	1.0967
.600	1.1033
.700	1.1318
.800	1.1044
.850	.9881
.950	.7903
.975	.7824
1.004	.0536
1.025	.2101
1.050	1.5942

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.6271
.005	1.3888
.010	.9592
.020	.2653
.030	.6878
.040	.5474
.050	.4506
.060	.3770
.080	.3470
.100	.2991
.112	.2655
.150	2233
.200	.1616
.300	.1631
.400	1669
500	1710
.600	.1733
700	.1821
.800	1727
.850	.1522
.950	.1642
.975	1615
1.004	-.0016
1 025	- 0098
1.050	2504

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3645
.005	1 6211
.010	1.2420
020	.4507
.030	1.0182

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA36)

ALPHA (2) = 24.838 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8449
.050	.7192
.060	.6359
.080	.6035
.100	.5501
.112	.5068
.150	.4345
.200	3960
300	.3889
400	.4050
500	.4277
600	.4370
.700	.4336
.800	.4143
.850	.3558
.950	.3428
.975	.3462
1.004	.0227
1.025	.1882
1.050	1.1082

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
.000	1.1924
.005	1.7621
.010	1.4883
.020	.0113
.030	1.2295
.040	1.0563
.050	.9286
.060	.8664
.080	.8203
.100	.7596
.112	.7079
.150	6199
.200	.5692
.300	.5775
.400	.5960
.500	.6074
.600	.6193

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA36)

ALPHA (3) = 29.492 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.6291
.800	.5961
.850	.5261
.950	.5027
.975	.5053
1.004	.1311
1.025	.2861
1.050	1.2888

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.6582
.005	1.7761
.010	1.6510
.020	.9243
.030	1 5812
.040	1.4592
.050	1.3847
.060	1.2906
.080	1.3021
.100	1.2098
.112	1 1524
.150	1.0766
.200	1 0508
.300	1 0577
.400	1.0553
.500	1.0788
.600	1 0873
.700	1.0899
.800	1.0411
.850	.9490
.950	.9267
.975	1.0279
1.004	.0373
1.025	.0193
1.050	1.9519

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA35)

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.5500
.005	1.7662
.010	1.7366
.020	.0720
.030	1.6920
.040	1.6040
.050	1.5454
.060	1.5011
.080	1.4643
.100	1.3823
.112	1.3232
.150	1.2443
.200	1.2382
.300	1.2338
.400	1.2442
.500	1 2530
.600	1.2705
.700	1.2938
.800	1.2603
850	1.1578
.950	9724
.975	1 6266
1.004	.0588
1.025	.0104
1 050	2.0840

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA37) (05 AUG 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	22.333	RN/L =	6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.6273
.005	1.3908
.010	.9246
.020	.3208
.030	.6882
.040	.5478
.050	.4469
.060	.3800
.080	.3465
.100	.2973
.112	.2651
.150	.2139
.200	.1776
.300	.1666
.400	.1705
.500	.1748
.600	.1755
.700	.1815
.800	.1746
.850	.1495
.950	.1568
.975	.1552
1.004	-.0053
1.025	-.0114
1.050	.3387

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.4930
.005	1.5125
.010	1.1048
.020	.5139
030	.8461

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA37)

ALPHA (2) = 19.629 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.6835
.050	.5695
.060	.4985
.080	.4628
.100	.4122
.112	.3735
.150	.3148
.200	.2762
.300	.2641
.400	.2815
.500	.3028
.600	.3034
.700	.3001
.800	.2941
.850	.2470
.950	.1479
.975	.1377
1.004	-.0026
1.025	.0399
1.050	.8884

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.4794
.005	1.5501
.010	1.0329
.020	.4731
.030	.8684
.040	.7050
.050	.5835
.060	.5118
080	.4714
.100	.4227
.112	.3775
.150	.3210
.200	.2799
300	.2755
.400	.2871
.500	.3070
.600	.3226
.700	.3206
.800	.3041
.850	.2532
.950	.1474
975	.1370
1 004	-.0064
1.025	-.0143
1 050	.0286

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3104
.005	1.6402
.010	1.2152
.020	.6494
.030	1.0449

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (REZA38)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8653
.050	.7409
.060	.6719
.080	.6293
.100	5788
.112	.5214
.150	.4560
.200	.4139
.300	.4024
.400	.4315
.500	.4549
.600	.4640
.700	.4844
.800	.4524
.850	.3786
.950	.2395
.975	.2218
1.004	-.0049
1.025	-.0154
1.050	.0622

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA03) (23 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	.117
ELEV-R =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.4773
.005	1.4711
.010	1.2287
.020	.9410
.030	.8323
.040	.6863
.050	.5759
.060	.4592
.080	.4678
.100	.4170
.112	.3819
.150	.3187
.200	.2699
.300	.0959
.400	.1001
.500	.1114
.600	.1066
.700	.1059
.800	.0989
.850	.0791
.950	.0498
.975	.0485
1.004	.0107
1.025	.0443
1.050	.0439

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3473
.005	1.6233
.010	1.3909
.020	1.1357
.030	1 0224

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA03)

ALPHA (2) = 24.885 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8563
.050	.7380
.060	.6058
.080	.6230
.100	.5678
.112	.5263
.150	.4492
200	.4009
.300	.1503
.400	.1454
.500	.1545
.600	.1541
.700	.1531
.800	.1406
.850	.1152
.950	.0722
.975	.0716
1.004	.0074
1.025	.0660
1.050	.0674

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.1834
.005	1.7045
.010	1.5301
.020	1.3103
.030	1.1928
.040	1.0139
.050	.8955
.060	.7640
080	.7909
.100	.7315
112	.6847
.150	.5884
.200	.5429
.300	.2151
400	.2226
.500	.2343
.600	.2431

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA03)

ALPHA (3) = 29.811 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.2373
.800	.2227
.850	.1773
.950	.1156
.975	.1160
1.004	.0055
1.025	.1050
1.050	.1133

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.9609
.005	1.7629
.010	1.6364
.020	1.4666
.030	1.3598
.040	1.1995
.050	1.0951
.060	.9271
.080	.9994
.100	.9290
.112	.8781
.150	.7847
.200	.7300
.300	.2387
.400	2562
.500	.2759
.600	.2701
.700	.2828
.800	.2506
.850	.1997
.950	.1324
.975	.1309
1.004	0183
1.025	.1221
1.050	.1290

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (XEZA03)

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7785
.005	1.7901
.010	1.7136
.020	1.5915
.030	1.4972
.040	1.3628
.050	1.2735
.060	1.1012
.080	1.1801
.100	1.1070
.112	1.0431
.150	.9565
.200	.9134
.300	.5019
.400	.7525
.500	.7802
.600	.7685
.700	.7965
.800	.7448
.850	.6486
.950	.4724
.975	.4646
1.004	.0321
1.025	.1958
1.050	.2035

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.6539
.005	1.7881
.010	1.7486
.020	1.6741
.030	1.5911
.040	1.4756
.050	1.3949
.060	1 2347
.080	1.3071
100	1.2208
.112	1.1472
.150	1.0775

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA03)

ALPHA (6) = 44.174 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.200	1.0519
.300	.8351
.400	.9036
.500	.9414
.600	.9576
.700	.9853
.800	9323
.850	.8273
.950	.6525
975	.6513
1.004	0496
1.025	.2630
1.050	.2958

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.5263
005	1.7337
.010	1 7262
.020	1.7112
.030	1 6616
.040	1.5827
.050	1.5204
.060	1.3434
080	1.4242
.100	1.3353
.112	1.2584
.150	1.2184
.200	1 2324
300	1 0631
400	1 0700
500	1.0989
.600	1 0985
700	1.1340
.800	.0000
850	.9632
950	.8158
.975	.8175
1 004	.0542
1 025	3621

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA03)

ALPHA (7) = 48.803 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
1.050	.4474

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5213
.005	1.5310
.010	1.1857
.020	.4768
.030	.8650
.040	.7029
.050	.5787
.060	.3221
.080	.4689
.100	.4174
.112	.3786
.150	.3166
.200	.2766
.300	.2721
.400	.2859
.500	.3093
.600	.3223
.700	.3249
.800	.3041
.850	.2540
.950	.1482
.975	.1384
1.004	-.0059
1 025	.1117
1 050	.1173

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3292
.005	1.6430
.010	1.4150
.020	1.1642
.030	1.0562

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA04)

ALPHA (2) = 24.809 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8828
.050	.7519
.060	.6401
.080	.5500
.100	.5920
.112	.5477
.150	.4702
.200	.4249
.300	.3331
.400	.3763
.500	.4002
.600	.4056
.700	.4215
.800	.3918
.850	.3139
.950	.1781
.975	.1654
1.004	0047
1.025	.0704
1.050	.0699

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.1848
.005	1.7407
010	1.5577
.020	1.3262
.030	1.2213
.040	1 0378
.050	.9075
.060	.7922
.080	.8079
.100	.7443
.112	6883
.150	.6050
.200	.5746
.300	.5056
.400	.5298
500	.5579
.600	5564

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA04)

ALPHA (3) = 29.649 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.5716
.800	.5357
.850	.4362
.950	.2856
.975	.2726
1.004	.0070
1.025	.1025
1.050	.1157

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.9317
.005	1.7931
.010	1.6811
.020	1.4629
.030	1.3984
.040	1.2319
.050	1.1252
.060	.9589
.080	1.0338
.100	.9547
.112	.8906
.150	.8028
.200	.7718
.300	.6637
.400	.6655
500	.6829
.600	.6630
700	.6832
800	.6571
.850	.5549
.950	.3734
.975	.3701
1 004	.0265
1.025	.1461
1.050	.2548

ARC 3.5-198 0H38 140C 0R8 BOTTOM CENTER LINE (XEZA04)

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7202
.005	1.7587
.010	1.6841
.020	1.5298
.030	1.5159
.040	1.3883
.050	1.3027
.060	1.0971
.080	1.2102
.100	1.1308
.112	1 0449
.150	.9728
.200	.9493
.300	.8291
.400	.8171
.500	.8347
.600	.8162
.700	.8422
.800	.8261
.850	.7030
.950	.5104
.975	.5095
1.004	.0352
1.025	.4507
1.050	.4687

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.8691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.6176
.005	1.7561
.010	1.7450
.020	1.6322
.030	1.6125
.040	1 5040
.050	1 4343
.060	1.2549
.080	1.3496
.100	1.2534
.112	1.1739
.150	1.1077

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA04)

ALPHA (6) = 44.090 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.200	.9965
.300	.9830
.400	.9869
.500	.9905
.600	1.0006
.700	.9957
.800	.9570
.850	.8301
.950	.6578
.975	.6563
1.004	.0778
1.025	.5777
1.050	.6158

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (XEZA05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5262
.005	1.5218
.010	.9374
.020	.3014
.030	.8539
.040	.6985
.050	.5774
060	.4896
.080	.4699
.100	.4165
.112	.3780
.150	.3187
.200	.2738
.300	.2698
.400	.2799
.500	2978
.600	.3134
.700	.3123
.800	2919
.850	.2506
.950	.1485
.975	.1441
1 004	-.0057
1.025	.1123
1 050	.1125

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2119
.005	1.7508
.010	1.2684
.020	.5961
.030	1.2272

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA05)

ALPHA (2) = 29.560 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	1.0448
.050	.9209
.060	.8292
.080	.8161
.100	.7523
.112	.6961
.150	.6107
.200	.5618
300	.5674
.400	.5904
.500	.5987
.600	.6096
.700	.6308
.800	.5913
.850	.5130
.950	.3402
.975	.3305
1.004	0039
1.025	.2838
1 050	.2833

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
.000	.9750
.005	1.7812
.010	1.6178
.020	.0036
030	1.3622
040	1.1973
.050	1.0860
.060	1.0304
.080	.9918
.100	.9265
.112	.8663
.150	.7730
200	.7380
.300	.7503
400	.7566
.500	.7715
600	.7818

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (XEZA05)

ALPHA (3) = 32.095 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.7982
.800	.7631
.850	.6746
.950	.4886
.975	.4911
1.004	.0146
1.025	-.0081
1.050	.4301

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8278
.005	1.8517
.010	1.4949
.020	.8695
030	1.5390
.040	1.3839
.050	1.2850
060	1 1920
.080	1.1886
.100	1.1068
.112	1.0387
.150	.9563
.200	.9326
.300	9494
.400	9609
.500	.9833
600	.9743
.700	1.0021
.800	9516
.850	.8442
.950	6308
975	.6212
1 004	.0155
1.025	.5586
1.050	.5844

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA05)

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.6574
.005	1.7828
.010	1.7354
.020	.0485
030	1.6038
.040	1.4920
.050	1.4155
.060	1.3576
.080	1.3195
.100	1.2331
.112	1.1683
.150	1.0867
.200	1.0722
.300	1.0738
.400	1.0798
500	1.0889
.600	1.1144
700	1.1329
.800	1.1068
850	.9972
.950	.7934
.975	.7938
1.004	.0318
1.025	-.0026
1.050	.7501

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.5425
005	1.7459
.010	1.7041
.020	9496
.030	1.6697
.040	1.5804
.050	1.5234
060	1.4731
.080	1.4388
.100	1.3580
.112	1.3016
.150	1.2244

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA05)

ALPHA (6) = 50.000 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.200	1.2244
.300	1.2116
.400	1.2254
.500	1.2342
.600	1.2601
.700	1.2814
.800	1.2433
.850	1.1379
.950	.9591
.975	.9614
1.004	.0378
1 025	.0082
1.050	.9175

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA06) (04 OCT 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.4755
.005	1.5360
.010	1.0474
.020	.5191
.030	.8604
.040	.7020
.050	.5804
.060	.5118
.080	.4722
.100	.4209
.112	.3803
.150	.3190
.200	.2773
.300	.2753
.400	.2866
.500	.3048
.600	.3223
.700	.3197
.800	.3022
.850	.2509
.950	.1450
.975	.1348
1.004	- 0083
1.025	- 0149
1.050	.1097

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3082
.005	1.6549
.010	1.2616
.020	.0127
.030	1.0636

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA06)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.8869
.050	.7546
.060	.7035
.080	6532
.100	.5979
112	.5398
150	.4665
.200	.4268
.300	.4254
.400	.4469
.500	.4651
.600	.4779
.700	.4972
.800	.4755
.850	.3976
.950	.2451
.975	.2314
1 004	-.0040
1.025	-.0131
1.050	.1788

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.1502
.005	1 7200
.010	1.3708
.020	.8384
.030	1.1971
.040	1.0198
.050	.8907
.060	.8207
.080	.7892
.100	.7293
.112	.6577
.150	.5923
.200	.5527
.300	.5552
.400	5718
.500	5998
.600	.6166

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA06)

ALPHA (3) = 30.000 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.6377
.800	.6035
.850	.5134
.950	.3388
.975	.3222
1.004	-.0036
1.025	-.0169
1.050	.2927

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.9704
.005	1.8142
.010	1.5698
.020	.0189
.030	1.3934
.040	1.2200
.050	1.1078
.060	1.0535
.080	1.0150
.100	.9432
.112	8616
.150	.7713
.200	.7565
300	.7477
.400	.7764
.500	.7878
.600	.8147
.700	.8290
800	.8194
.850	.7110
.950	.4946
.975	.4757
1 004	.0053
1.025	-.0106
1.050	.2851

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.6567
.005	1.4317
.010	.9807
.020	.0184
.030	.6932
.040	.5572
.050	.4469
.060	.3884
.080	.3430
.100	.2948
.112	.2613
.150	.2139
.200	.0000
.300	.1612
.400	.1700
.500	.1781
600	.1808
.700	.1878
800	.1750
.850	.1498
.950	.0881
975	0804
1.000	- 0031
1 025	- 0073
1 050	.0602

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.5377
.005	1.5314
.010	1.0130
.020	.3529
.030	.8591

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA11)

ALPHA (2) = 19.441 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.0991
.050	.5831
.060	.3718
.080	.4730
.100	.4195
.112	.3808
.150	.3202
.200	.2704
.300	.2735
.400	.2814
.500	.3020
.600	.3141
.700	.3119
.800	.2933
.850	.2484
950	.1510
.975	.1483
1.004	-.0053
1.025	-.0125
1.050	.1111

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.3949
.005	1.6885
.010	1.3260
.020	.0104
030	1.0515
.040	.8777
.050	.7454
.060	.6779
.080	6279
.100	.5707
.112	.5239
.150	.4439
.200	.4010
.300	.4027
.400	.4216
.500	.4425
.600	.4564

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA11)

ALPHA (3) = 25.000 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.4541
.800	.4213
.850	.3636
.950	.2246
.975	.2178
1.004	.0043
1.025	-.0114
1.050	.1853

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2058
.005	1.7513
.010	1.3292
.020	.6484
.030	1.2303
.040	1.0426
.050	.9198
.060	.7743
.080	.8170
.100	.7523
.112	.6956
.150	.6099
.200	.5639
.300	.5695
.400	.5914
.500	.6050
.600	.6200
.700	.6337
.800	.5988
.850	.5218
.950	.3486
.975	.3522
1.004	.0045
1.025	-.0151
1.050	.2972

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA11)

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.9961
.005	1.8174
.010	1.6264
.020	0124
.030	1 3864
.040	1.2188
.050	1.1052
060	1 0509
080	1 0101
.100	9443
112	8822
.150	.7844
.200	.7504
.300	.7590
.400	7687
.500	.7848
600	.7922
.700	.8154
800	.7808
850	.6915
.950	.4929
.975	4944
1 004	.0171
1 025	-.0104
1 050	.4410

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
.000	.8234
.005	1.8416
.010	1.5511
020	.9500
.030	1.5300
040	1 3733
050	1 2799
060	1 0931
080	1.1873
.100	1 1009
112	1.0292
150	.9433

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (XEZA11)

ALPHA (6) = 39.946 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.200	.9221
.300	.9305
.400	.9346
.500	.9558
.600	.9651
.700	.9955
.800	.9669
.850	.8557
.950	.6486
.975	.6396
1.004	.0181
1.025	-.0102
1.050	.6061

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.6639
.005	1.7854
.010	1.7238
.020	.0510
.030	1.6187
040	1.5082
.050	1.4346
.060	1.3903
.080	1.3446
.100	1.2586
.112	1.1851
.150	1.0988
.200	1.0929
.300	1 0896
.400	1 0967
.500	1 1083
.600	1.1232
.700	1.1504
.800	1.1202
.850	1 0123
.950	.8043
.975	.7995
1.004	.0330
1.025	-.0023

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (XEZA11)

ALPHA (7) = 44.081 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
1.050	.7930

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.5433
.005	1.7537
.010	1.7293
.020	.0605
.030	1.6829
.040	1.5918
.050	1.5406
.060	1.4951
.080	1.4517
.100	1.3790
.112	1 3145
.150	1.2404
.200	1.2375
.300	1.2245
.400	1.2406
.500	1.2483
.600	1.2696
.700	1.2979
.800	1.2583
.850	1 1558
.950	.9660
.975	.9785
1.004	.0377
1.025	-.0002
1.050	.9837

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (YEZA03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.4945
.005	1.5245
.010	1.0127
.020	.3747
.030	.8498
.040	.6847
.050	.5786
.060	.5064
.080	.4701
.100	.4184
.112	.3795
.150	.3199
.200	.2603
.300	.2618
.400	.2744
.500	.2901
.600	.2998
.700	.3018
.800	.2789
.850	.2412
.950	.1441
.975	.1364
1.004	-.0044
1.025	-.0163
1.050	.1059

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2094
.005	1.7404
.010	1.2636
.020	.4920
.030	1.2216

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (YEZA03)

ALPHA (2) = 29.494 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	1.0434
.050	.9165
.060	.8168
.080	.8127
.100	.7498
.112	.6948
.150	.6100
.200	.5589
.300	.5666
.400	.5869
.500	.5983
.600	.6091
.700	.6225
.800	.5882
.850	.5150
.950	.3460
.975	.3393
1.004	.0028
1.025	.2857
1.050	.2888

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.9896
.005	1.7962
.010	1.4895
.020	.8338
.030	1.3635
.040	1.1837
.050	1.0912
.060	1.0123
.080	.9949
.100	.9238
.112	.8625
.150	.7737
.200	.7343
.300	.7336
.400	.7449
.500	.7626
.600	.7730

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (YEZA03)

ALPHA (3) = 34.774 MACH (1) = 7.320

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.8026
.800	.7664
.850	.6748
.950	.4803
.975	.4742
1.004	.0115
1.025	-.0117
1.050	.4282

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.8241
.005	1.8234
.010	1.5213
.020	.8311
.030	1.5142
.040	1.3634
050	1.2691
.060	1.1422
.080	1.1741
.100	1.0890
.112	1.0217
.150	.9377
.200	.9216
.300	.9279
.400	.9301
.500	.9612
.600	.9638
.700	.9920
.800	.9592
.850	8547
.950	.6468
.975	.6356
1.004	.0143
1.025	.5597
1.050	.5735

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (YEZA03)

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.6827
.005	1.7883.
.010	1.6093
.020	.9824
.030	1.6029
.040	1.4818
.050	1.4177
.060	1.3330
.080	1.3257
.100	1.2302
.112	1.1599
.150	1.0779
.200	1 0634
.300	1.0596
.400	1.0587
.500	1.0821
.600	1.1021
.700	1.1344
.800	1.1165
.850	.9913
.950	.7867
.975	.7727
1.004	.0222
1.025	-.0053
1.050	.7318

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE (YEZA04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.1595
.005	1.7378
.010	1.3396
.020	.6879
.030	1.2379
.040	1.0587
.050	.9285
.060	.5659
.080	8321
.100	.7708
.112	.7112
.150	.6295
.200	.5902
.300	.6031
.400	.6104
.500	.6340
.600	.1578
.700	.6704
.800	.1801
.850	.5564
.950	.3623
.975	.3508
1.004	.0004
1.025	.2985
1.050	.3013

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7657
.005	1.7920
.010	1.5154
.020	.8926
.030	1.5283

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (YEZA04)

ALPHA (2) = 39.926 MACH (1) = 7.320

SECTION,(1)BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	1.3890
.050	1.3033
.060	.9203
.080	1.2148
.100	1.1236
.112	1 0394
150	.9691
.200	.9463
.300	.9316
.400	.9459
.500	.9694
.600	.9773
.700	1.0145
.800	1.0159
850	8907
950	6612
975	6451
1 004	.0082
1.025	.5639
1.050	.5794

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZ801) (27 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	.117
ELEV-R =	.000	SPDBRK =	41.533
BDFLAP =	15.667	RN/L =	3 000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0000
.030	.4501
.060	.0555
.080	.3018
.100	.1474
.130	.2992
.160	.4530
.170	.0000
.180	.5334
.190	.5334
200	.5336
.250	.0000
.300	.0129
.500	-.0067
.600	1543
.700	2691
.775	.4406
.800	.4661
.825	.3403

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1470
030	.0517
.060	.0240
.080	.0227
.100	.0173
.130	.0196
.160	.0916
170	.0808
.180	0865
.190	.0367
.200	.0062

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB01)

ALPHA (2) = 29.899 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0100
.300	-.0110
.500	-.0107
600	-.0117
.700	-.0104
.775	-.0087
.800	-.0077
.825	-.0052

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1199
.030	.0516
.060	.0000
.080	.0308
.100	.0275
.130	.0327
.160	.1141
.170	.0833
.180	.0892
.190	0416
.200	0140
250	.0014
.300	.0011
500	.0000
600	.0018
.700	.0027
.775	.0049
.800	.0065
825	.0088

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB01)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0789
.030	.0262
.060	.0153
.080	.0130
.100	.0105
.130	.0096
.160	.1003
.170	.0757
.180	.0691
.190	.0241
.200	-.0026
.250	-.0121
.300	-.0121
.500	-.0088
.600	-.0117
.700	-.0113
.775	- 0099
.800	- 0090
.825	- 0065

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB02) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15 667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0000
.030	.0992
060	.0520
.080	.0582
.100	.0292
.130	.0420
.160	.0812
.170	.1408
.180	.1710
.190	.0992
.200	.0436
.250	-.0040
.300	-.0051
.500	- 0102
.600	- 0038
.700	- 0095
.775	-.0119
.800	-.0130
825	-.0044

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1296
.030	.0414
.060	.0179
.080	.0167
100	.0130
.130	.0179
.160	.0875
170	.0817
180	.0795
190	.0266
.200	-.0014

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB02)

ALPHA (2) = 30.030 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0152
.300	-.0151
.500	-.0168
.600	-.0152
.700	-.0149
.775	-.0119
.800	-.0094
.825	-.0056

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0560
.030	.0178
.060	.0107
.080	.0105
.100	.0100
.130	.0063
.160	0681
.170	.0989
.180	0600
.190	.0164
.200	- 0073
.250	-.0154
.300	- 0151
.500	-.0118
.600	-.0138
.700	-.0130
.775	-.0121
.800	-.0101
.825	-.0077

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.3106
.030	.1373
.060	.0559
.080	.0730
100	.0631
.130	.0755
.160	.0871
.170	.1360
.180	.1695
.190	.1001
.200	.0501
.250	.0186
.300	.0170
.500	-.0106
600	.0139
.700	.2968
.775	.0376
.800	.0212
.825	.0223

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2250
.030	.1015
.060	.0371
.080	.0573
.100	.0493
.130	0522
.160	.0895
.170	.1101
.180	.1205
.190	.0719
.200	.0413

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB03)

ALPHA (2) = 24.999 MACH (1) = 7.320,

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0163
.300	.0150
.500	-.0129
.600	.0113
.700	.1575
.775	.0339
.800	.0203
.825	.0207

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1728
.030	.0809
.060	.0238
.080	.0515
.100	0460
.130	0484
.160	.1190
.170	.1091
.180	.1146
190	0646
.200	.0349
.250	.0181
.300	0170
.500	- 0148
.600	.0168
.700	.1814
.775	.0339
.800	.0236
.825	.0242

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB03)

ALPHA (4) = 34.918 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1279
030	.0657
.060	.0180
.080	.0457
.100	.0416
.130	.0480
.160	.1270
.170	.0994
.180	.1040
.190	.0567
.200	0288
.250	.0158
300	.0157
.500	-.0144
.600	0167
.700	.1019
.775	.0278
.800	0226
.825	0250

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1023
.030	.0562
.060	.0213
.080	.0465
.100	0398
.130	.0409
.160	1302
.170	.1049
.180	.1000
.190	0535
.200	.0287
.250	.0178
.300	.0169
.500	-.0088
.600	.0192
700	.0650
.775	.0257
.800	.0234

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB03)

ALPHA (5) = 39.806 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	.0242

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB04) (27 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	.117
ELEV-R =	000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1 8302

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0000
.030	0652
.060	.0506
.080	-.0276
.100	-.1061
.130	-.2034
.160	-.1876
.170	- 1381
180	-.1020
.190	-.1696
.200	-.1728
.250	-.2601
.300	-.2709
.500	-.0140
600	- 2747
.700	- 1007
.775	- 2331
.800	- 2664
.825	-.2639

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
.010	.1896
.030	.0690
060	-.4586
080	0319
.100	.0256
.130	0289
.160	.0846
.170	.1032
.180	.1108
.190	.0510
.200	.0153

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB04)

ALPHA (2) = 25.260 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0058
.300	-.0057
.500	-.5041
.600	- 0067
.700	-.0067
.775	-.0042
.800	-.0039
.825	.0003

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	1383
.030	0513
.060	-.4899
.080	.0274
.100	.0236
.130	0294
.160	0975
170	0905
180	0899
190	.0370
200	.0099
250	-.0039
.300	-.0038
500	-.5277
600	-.0044
700	-.0030
.775	-.0027
800	.0013
.825	.0048

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB04)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0871
.030	.0275
.060	.0129
.080	.0131
.100	.0123
.130	.0201
.160	.0921
170	.0804
.180	.0762
.190	.0251
.200	-.0024
.250	-.0146
.300	-.0158
500	-.0155
.600	-.0129
.700	-.0123
.775	-.0124
.800	-.0095
.825	-.0072

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0538
.030	.0146
060	.0120
.080	.0079
.100	.0083
.130	.0040
.160	.0584
.170	.1069
.180	0674
.190	.0139
.200	- 0100
250	-.0179
.300	-.0176
.500	-.0119
600	-.0165
.700	-.0151
775	-.0151
.800	- 0149

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB04)

ALPHA (5) = 39.693 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	-.0114

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1804
.030	.0915
.050	.0557
.080	.0615
.100	.0560
.130	.0590
.160	.1270
.170	.1124
.180	.1217
.190	.0733
.200	.0445
.250	.0292
.300	.0277
.500	-.0025
.600	.0270
700	.0285
.775	.0301
.800	.0305
825	.0347

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.3103
.030	.1510
.060	.0629
.080	.0885
.100	.0769
.130	.0874
.160	.1005
.170	.1355
.180	.1630
.190	.1080
.200	.0636

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB05)

ALPHA (2) = 19.688 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0345
.300	.0343
.500	-.0024
.600	.0293
.700	.0280
.775	.0331
.800	.0346
.825	.0373

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1115
030	.0633
060	.0125
080	.0508
100	0500
.130	0520
.160	.1177
170	1449
190	.1129
190	0612
200	0354
250	0272
300	.0260
500	- 0101
600	0271
700	0285
.775	.0283
.800	.0288
825	.0288

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4 100 SPDBRK = .000
BDFLAP = 000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2906
.030	.1183
.060	.0486
.080	.0580
.100	.0488
.130	0596
.160	.0744
.170	.1356
.180	.1644
.190	.0859
.200	.0359
.250	.0068
.300	.0051
.500	-.0142
.600	0030
.700	.0030
.775	.0049
.800	.0059
.825	.0083

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1314
.030	0450
.060	.0174
.080	.0186
.100	.0143
.130	.0196
.160	0873
.170	.0818
.180	.0810
190	0298
.200	.0014

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZ806)

ALPHA (2) = 29.831 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0142
.300	-.0140
.500	-.0204
.600	-.0139
.700	-.0140
.775	-.0099
.800	-.0079
.825	-.0040

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0678
.030	0298
.060	.0068
.080	.0227
.100	.0227
.130	.0199
.160	.0801
.170	.1086
.180	1070
.190	.0318
.200	0048
.250	-.0033
300	-.0028
500	-.0164
.600	-.0020
700	-.0008
.775	-.0001
.800	.0015
.825	.0035

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZ807) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7 320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.3150
.030	.1554
.060	.0577
.080	.0931
.100	.0819
.130	.0917
.160	.1088
.170	.1444
.180	.1690
.190	.1144
.200	.0705
.250	.0389
.300	.0367
.500	-.0090
.600	.0334
.700	.0331
.775	.0376
.800	.0396
.825	0418

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1826
.030	.0967
.060	.0248
.080	.0676
.100	.0618
.130	.0650
160	.1352
.170	.1199
.180	.1280
.190	.0783
.200	.0510

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZ807)

ALPHA (2) = 29.758 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0329
.300	.0322
.500	-.0141
.600	.0323
.700	.0331
.775	.0357
.800	.0371
.825	.0393

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1120
.030	.0680
.060	.0096
.080	.0562
.100	.0554
.130	.0569
.160	.1210
.170	.1489
.180	.1159
.190	.0672
.200	.0425
.250	.0327
.300	.0311
.500	-.0145
.600	.0324
.700	.0336
.775	.0351
.800	.0362
.825	.0378

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB08) (23 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	15.667	RN/L =	6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0505
.030	-.1210
.060	.0492
.080	-.1822
.100	-.1911
130	-.1801
.160	-.1654
.170	-.1062
.180	- 0767
.190	-.1539
.200	-.2037
.250	-.2336
.300	-.2350
.500	-.0130
600	-.2376
.700	-.2373
.775	-.2352
.800	-.2344
.825	-.2315

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1487
.030	.0618
.060	.0156
.080	0361
.100	.0320
.130	.0371
.160	.1068
.170	.1008
.180	.0991
.190	.0463
.200	.0184

ARC 3.5-198 0H38 140C ORB TOP CENTER LINE (REZB08)

ALPHA (2) = 29.917 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0038
.300	.0040
.500	-.0213
.600	.0038
.700	.0050
.775	.0075
.800	.0097
.825	.0140

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .20150 CPSTAG = 1.8296

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0698
.030	.0317
.060	.0115
.080	.0248
.100	.0248
.130	.0218
.160	.0822
.170	1090
.180	.1081
.190	.0339
.200	.0067
.250	-.0013
.300	-.0008
.500	-.0112
.600	.0000
.700	.0013
.775	.0020
.800	.0035
.825	.0054

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB09) (23 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	22.333	RN/L =	3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.3171
.030	.1533
.060	.0566
.080	.0902
.100	.0794
.130	.0898
.150	.1061
.170	.1456
.180	.1718
.190	.1136
.200	.0674
.250	.0357
.300	.0337
.500	-.0111
.600	.0301
.700	.0297
.775	.0347
.800	.0362
.825	0387

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2432
.030	.1194
.060	.0351
.080	.0742
.100	.0670
.130	.0698
.160	.1107
.170	.1389
.180	.1481
.190	.0940
.200	.0569

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB09)

ALPHA (2) = 24.974 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0331
.300	.0318
.500	-.0150
.600	.0282
.700	.0303
.775	.0342
.800	.0355
.825	.0371

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1414
.030	.0593
.060	.0281
.080	.0296
.100	.0239
.130	.0268
.160	.0956
.170	0787
.180	.0879
.190	.0397
.200	.0116
.250	-.0055
.300	-.0059
.500	-.0102
.600	-.0061
.700	-.0050
.775	-.0025
.800	-.0015
.825	.0013

ARC 3.5-198 0H38 140C ORB TOP CENTER LINE (REZB09)

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0994
.030	.0413
.060	.0184
.080	.0224
.100	.0195
.130	.0258
.160	.1068
170	.0790
.180	.0816
.190	.0351
.200	.0066
.250	-.0063
.300	-.0073
.500	-.0117
.600	-.0061
.700	-.0045
.775	-.0028
.800	-.0006
.825	.0019

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0692
.030	.0293
.060	.0107
.080	.0180
.100	.0174
.130	.0182
.160	.0819
.170	.1119
.180	.0775
.190	.0295
.200	.0034
.250	-.0057
.300	-.0059
.500	-.0129
.600	-.0057
.700	-.0045
.775	-.0030
.800	- 0018

ARC 3.5-198 0H38 140C ORB TOP CENTER LINE (REZB09)

ALPHA (5) = 40.056 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	.0000

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB10) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2805
.030	.1152
.060	.0494
.080	.0560
.100	.0468
.130	.0578
.160	.0757
.170	.1226
.180	.1623
.190	.0841
.200	.2244
.250	.0184
.300	.0057
.500	-.0131
.600	0019
.700	.0025
.775	.2644
.800	.0195
.825	.0090

ALPHA (2) = 24 900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2033
.030	.0812
.060	0293
.080	.0418
.100	.0353
.130	.0386
.160	.0944
.170	.1016
.180	.1194
.190	.0617
.200	2543

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB10)

ALPHA (2) = 24.900 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0194
.300	.0047
.500	-.0180
.600	.0007
.700	.0025
.775	.0000
.800	.0211
.825	.0101

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1480
.030	.0606
060	.0174
080	.0345
100	.0302
130	.0350
160	1047
170	.1001
.180	.0982
190	0451
200	.0414
.250	.0046
.300	0030
.500	-.0180
.600	.0023
700	.0030
775	.0091
800	.0078
.825	.0112

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB10)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1043
.030	.0460
.060	.0181
.080	.0304
.100	.0293
.130	0374
160	.1081
.170	.0987
.180	.0933
.190	.0432
.200	.0164
250	.0045
.300	.0031
.500	-.0121
.600	.0043
700	0046
.775	.0050
.800	.0076
.825	.0100

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0736
.030	.0356
060	0057
.080	0289
.100	.0289
.130	.0261
.160	.0814
.170	.1168
.180	.1084
.190	.0356
.200	.0107
.250	.0028
300	.0028
.500	-.0178
.600	.0041
.700	.0050
.775	.0060
.800	.0061

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB10)

ALPHA (5) = 39.974 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL	.0000
X/L	
.825	.0093

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2842
.030	.1270
.060	.0627
.080	.0649
.100	.0540
.130	.0640
.160	.0814
.170	.1058
.180	.1348
.190	.0836
.200	.2333
.250	.0259
.300	.0103
.500	-.0055
.600	.0051
.700	.0050
.775	.3933
.800	.0371
.825	.0153

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1538
.030	.0690
.060	.0296
.080	.0391
.100	.0336
130	.0368
.160	.1022
170	.0903
.180	.0952
.190	.0480
.200	.3187

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB11)

ALPHA (2) = 29.598 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0285
.300	.0073
.500	-.0117
.600	.0038
.700	.0047
.775	.5586
.800	.0432
.825	.0136

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0820
.030	0385
.060	.0127
.080	.0265
.100	.0262
.130	.0278
.160	.1058
170	.0811
.180	.0825
.190	.0376
.200	.4799
.250	0358
.300	.0061
.500	-.0128
600	0040
.700	.0052
.775	.6146
.800	0486
.825	.0142

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB12) (23 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	-7.367
ELEV-R =	-7.033	SPDBRK =	.000
BDFLAP =	-12.167	RN/L =	3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2822
.030	.1204
.060	.0586
.080	.0571
.100	.0455
.130	.0559
.160	.0714
.170	.1008
.180	.1317
.190	.0774
.200	.0823
.250	.0066
.300	.0008
.500	-.0090
.600	-.0029
.700	-.0040
.775	.1520
.800	.0154
.825	.0064

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2037
.030	.0840
.060	.0000
.080	.0402
.100	.0320
.130	.0351
.160	.0745
.170	.0887
.180	.1030
.190	.0551
.200	.0975

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB12)

ALPHA (2) = 24.857 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0051
.300	-.0021
.500	.0000
.600	-.0058
.700	-.0036
.775	.2136
.800	.0183
.825	0048

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1494
.030	.0601
.060	.0237
080	.0296
.100	.0242
.130	.0269
.160	.0967
.170	.0767
180	.0934
.190	0436
.200	1267
.250	0067
.300	- 0032
.500	- 0154
.600	-.0047
.700	-.0042
.775	.3045
800	0228
.825	.0046

ARC 3.5-198 0H38 140C ORB TOP CENTER LINE (REZ812)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1310
.030	.0692
.060	.0201
.080	.0500
.100	.0477
.130	.0537
.160	.1346
.170	.1113
.180	.1089
.190	.0623
200	.1665
.250	.0337
.300	0221
.500	- 0144
600	.0223
.700	.0239
.775	.3073
.800	.0489
825	.0323

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1023
.030	.0574
060	.0125
.080	.0456
.100	.0450
130	.0456
.160	.1124
170	.1262
180	.0974
.190	.0544
.200	2139
.250	.0372
300	.0228
500	-.0145
600	0229
.700	0241
.775	4169
.800	.0531

ARC 3.5-198 0H38 140C ORB TOP CENTER LINE (REZB12)

ALPHA (5) = 40.004 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	.0310

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB13) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0000
.030	.1015
.060	.0504
.080	.0429
.100	.0332
.130	.0431
.160	.0543
.170	.1021
.180	.1361
.190	.0661
.200	.0879
.250	- 0041
.300	-.0095
.500	-.0163
.600	-.0125
.700	-.0110
.775	.1859
.800	.0010
.825	- 0059

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	.0000
030	.0000
.060	.0271
.080	.0268
.100	.0200
.130	.0237
.160	.0764
170	.0941
180	1027
.190	.0468
.200	.1152

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB13)

ALPHA (2) = 24.903 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0044
.300	-.0113
.500	-.0221
.600	-.0146
,700	-.0127
.775	.2363
.800	.0042
825	-.0047

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1214
.030	.0423
.060	.0195
.080	.0174
.100	0136
.130	.0217
.160	.0830
.170	.0763
180	.0725
.190	0251
.200	.0665
.250	-.0089
.300	- 0142
500	-.0181
600	-.0151
700	-.0140
.775	.0000
800	.0025
825	-.0052

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE (REZB13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0871
.030	.0281
.060	.0106
.080	.0120
.100	.0111
.130	.0190
.160	.0909
.170	.0825
.180	.0763
.190	.0249
.200	0902
.250	-.0080
.300	-.0157
.500	-.0195
.600	-.0139
.700	-.0139
.775	.0000
.800	.0031
.825	-.0070

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0724
.030	.0321
.060	.0084
.080	.0253
.100	.0265
.130	.0233
.160	.0797
.170	.1101
.180	.1043
.190	.0351
.200	.0453
.250	.0035
.300	.0001
.500	-.0169
.600	.0017
.700	.0033
.775	.1655
.800	.0153

ARC 3.5-198 0H38 140C ORB TOP CENTER LINE (REZB13)

ALPHA (5) = 39.964 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.825 .0082

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2613
.030	.1026
.060	.0559
.080	.0395
.100	.0288
.130	.0387
.160	.0561
.170	.0862
.180	.1162
.190	.0611
.200	.0566
.250	-.0106
.300	-.0158
.500	-.0106
.600	-.0193
.700	-.0198
.775	.0826
.800	- 0039
.825	-.0095

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1273
.030	.0432
060	.0219
.080	.0142
.100	.0090
.130	.0124
.160	.0788
170	.0659
.180	.0724
.190	.0251
.200	.0702

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZ814)

ALPHA (2) = 29.553 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0131
.300	-.0204
.500	-.0176
.600	-.0209
.700	-.0197
.775	.1218
.800	-.0024
.825	-.0114

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0548
.030	.0139
.060	.0063
.080	0018
.100	.0016
.130	.0029
.160	.0692
.170	.0868
.180	.0566
.190	0114
.200	0990
.250	- 0108
300	-.0205
.500	-.0170
.600	-.0206
.700	-.0191
.775	1764
.800	- 0003
.825	-.0126

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB15) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0000
.030	.1026
.060	.0538
.080	.0432
.100	.0340
.130	.0438
.160	.0540
.170	.1032
.180	.1376
.190	.0673
.200	.0986
.250	-.0028
.300	-.0089
.500	-.0156
.600	-.0122
.700	-.0106
.775	.2152
.800	.0037
825	-.0051

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
.010	.1334
.030	.0454
.060	.0145
.080	.0187
.100	.0144
130	.0200
.160	.0849
.170	.0816
.180	.0807
190	.0283
.200	.1335

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB15)

ALPHA (2) = 29.623 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0042
300	-.0126
.500	-.0239
.600	-.0142
.700	-.0126
.775	.0000
800	.0062
.825	-.0025

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0757
.030	.0369
.060	.0048
.080	.0298
.100	0301
.130	.0260
.160	.0818
.170	.1163
.180	.0948
.190	.0366
200	0881
.250	0093
.300	0035
.500	-.0193
.600	.0047
.700	0061
775	.0000
800	.0229
825	.0126

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2697
.030	.1058
.060	.0606
.080	.0413
.100	.0298
.130	.0398
.160	.0573
.170	.0930
.180	.1195
.190	.0635
.200	.0163
.250	-.0118
.300	-.0140
.500	-.0108
.600	-.0169
.700	-.0171
.775	-.0142
.800	-.0130
.825	-.0108

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	1878
.030	.0690
.060	.0386
.080	.0243
.100	.0165
.130	.0197
.160	.0516
.170	0742
.180	0891
.190	.0387
.200	.0044

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB16)

ALPHA (2) = 24.797 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VAPIABLE CP

BL .0000

X/L	
.250	-.0153
.300	-.0174
.500	-.0151
.600	-.0189
.700	-.0182
.775	-.0156
.800	-.0138
.825	-.0131

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1310
.030	.0437
060	.0238
080	0134
.100	.0084
.130	.0108
.160	.0641
170	.0681
180	.0845
.190	.0254
.200	-.0033
.250	-.0162
300	-.0174
500	- 0165
600	- 0184
.700	-.0178
775	-.0164
.800	-.0155
.825	-.0140

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE (REZB16)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0864
.030	.0297
.060	.0176
080	.0104
.100	.0072
.130	.0128
.160	.0859
.170	.0553
180	.0655
.190	0177
.200	-.0079
.250	-.0181
.300	-.0188
.500	-.0136
.600	-.0174
.700	-.0162
.775	-.0150
.800	-.0127
.825	-.0102

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0235
.030	.0059
.060	.0023
.080	.0002
.100	-.0050
.130	-.0078
.160	.0408
.170	.0805
.180	.0447
.190	.0018
.200	-.0121
.250	-.0196
.300	-.0193
.500	-.0118
.600	-.0169
.700	-.0120
.775	-.0098
.800	-.0078

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB16)

ALPHA (5) = 48.717 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	-.0028

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2691
.030	.1065
.060	.0621
.080	.0418
.100	.0301
.130	.0397
.160	.0580
.170	.0939
.180	.1200
.190	.0637
.200	.0175
.250	-.0131
.300	-.0152
.500	-.0100
.600	-.0177
700	-.0188
.775	-.0143
800	-.0130
825	-.0102

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1292
.030	.0441
.060	.0000
.080	0143
.100	.0090
.130	.0122
.160	0662
.170	.0605
.180	.0787
.190	.0244
.200	-.0030

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZBI7)

ALPHA (2) = 29.665 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0175
.300	-.0194
.500	.0000
.600	-.0189
.700	- 0185
.775	-.0166
.800	-.0150
.825	-.0136

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0546
.030	.0150
.060	.0097
.080	.0024
.100	.0019
.130	.0026
.160	.0674
.170	.0894
.180	.0522
.190	.0115
.200	-.0079
250	-.0168
.300	-.0181
500	-.0140
.600	-.0183
.700	-.0166
.775	-.0169
.800	-.0160
.825	-.0144

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.3705
.030	.1701
.060	.0943
.080	.0799
.100	.0621
.130	.0727
.160	.0948
.170	.1513
.180	.2157
.190	.1300
.200	.0588
.250	0100
.300	0039
.500	.0045
.600	.0013
.700	-.0010
.775	-.0008
.800	.0009
.825	.0054

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2785
.030	.1234
.060	.0638
.080	.0558
.100	.0446
.130	.0505
.160	.0680
.170	.1001
180	.1273
.190	0760
.200	.0328

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB18)

ALPHA (2) = 19.668 MACH (1) = 10.290

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
250	.0060
.300	.0031
.500	.0016
600	-.0001
.700	-.0005
.775	.0003
.800	.0025
.825	.0047

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	1985
.030	.0864
060	1.8792
.080	0387
.100	.0301
.130	.0313
.160	0485
.170	0649
180	.0734
.190	.0423
200	.0166
.250	- 0007
.300	- 0024
.500	1 8307
.600	- 0046
.700	- 0044
.775	-.0024
.800	-.0009
.825	.0013

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB18)

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1449
.030	.0626
.060	1.8672
.080	.0292
.100	0223
.130	.0222
.160	.0524
.170	.0625
.180	.0624
.190	.0303
.200	.0090
.250	-.0033
.300	-.0039
.500	1.8296
.600	-.0044
.700	-.0044
.775	-.0033
.800	-.0022
.825	.0027

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1004
.030	.0390
.060	1.8627
.080	.0178
100	.0153
.130	.0159
.160	.0736
.170	.0603
.180	.0526
.190	.0233
.200	0036
.250	-.0031
.300	-.0038
.500	1.8370
600	-.0041
.700	-.0032
.775	-.0029
.800	-.0007

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB18)

ALPHA (5) = 34.915 MACH (1) = 10.290

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	0012

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0786
.030	.0394
.060	1.8526
.080	.0217
.100	.0164
.130	0159
.160	0711
170	.0616
.180	0456
.190	.0206
.200	.0055
.250	-.0010
300	- 0018
500	1.8284
600	-.0016
700	- 0012
.775	0011
.800	0025
825	.0050

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0577
.030	.0297
.060	1 9668
.080	0164
.100	.0132
130	.0118
.160	.0569
.170	.0703
.180	.0447

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB18)

ALPHA (7) = 44.248 MACH (1) = 10.290

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.190	.0178
.200	.0036
.250	-.0004
.300	.0002
.500	1.9553
.600	.0025
.700	.0050
.775	.0058
.800	.0064
.825	.0079

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE (REZ819) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2608
.030	.1152
.060	.0643
.080	.0507
.100	.0388
.130	.0463
.160	.0617
.170	.0880
.180	.1104
.190	.0671
.200	.4184
.250	0338
.300	0026
500	.0022
.600	-.0035
700	-.0054
775	- 0031
800	- 0009
.825	.0019

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5894 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	.1917
.030	.0798
.060	0439
.080	.0323
.100	.0274
.130	.0293
.160	.0491
.170	.0724
.180	.0845
.190	.0474
.200	.6816

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB19)

ALPHA (2) = 24.815 MACH (1) = 10.290

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0507
.300	.0038
.500	.0004
.600	-.0040
.700	-.0041
.775	-.0019
.800	-.0011
.825	.0018

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1370
.030	.0578
.060	.0332
.080	.0278
.100	.0211
.130	.0209
.160	.0533
.170	.0657
.180	0664
.190	0310
.200	.5102
.250	.0392
.300	.0013
.500	-.0012
.600	-.0031
.700	-.0032
.775	-.0030
.800	-.0014
.825	.0031

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0915
.030	.0355
.060	.0234
.080	.0166
.100	.0142
.130	.0149
.160	.0729
.170	.0686
.180	.0599
.190	.0248
.200	.8657
.250	.0602
.300	.0027
.500	-.0011
.600	-.0032
.700	-.0036
.775	-.0028
.800	-.0006
.825	.0011

ALPHA (5) = 39 975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0685
.030	.0311
.060	-.0277
.080	.0177
.100	.0135
.130	0127
.160	0684
.170	.0622
.180	.0498
.190	.0211
.200	5394
.250	.0437
.300	.0039
.500	- 0140
.600	.0004
.700	.0004
.775	.0028
.800	.0046

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB19)

ALPHA (5) = 39.975 MACH (1) = 10.290

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	.0082

ALPHA (6) = 44.187 MACH (1) = 10.290 , RN/L = 1.6079 Q = 2.3391 , -P = .31600-01 CPSTAG = 1.8421

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1355
.030	.0575
.060	-.0319
.080	0183
.100	.0136
.130	.0119
.160	.0603
.170	.0731
.180	.0510
190	.0197
200	9165
.250	.0635
.300	.0042
.500	-.0151
.600	-.0006
.700	.0015
.775	.0050
.800	0077
.825	.0132

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2521
.030	.1082
.060	.0623
.080	.0439
.100	.0318
.130	.0369
160	.0536
.170	.0787
.180	.0997
.190	.0587
.200	.0211
250	- 0013
300	- 0052
500	- 0038
600	- 0068
700	- 0041
775	-.0078
.800	- 0061
.825	- 0038

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	.1812
030	.0680
.060	.0409
.080	.0218
.100	.0166
.120	0184
.140	.0411
170	.0642
.180	.0774
.190	.0391
200	0095

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB20)

ALPHA (2) = 24.851 MACH (1) = 10.290

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0014
.300	-.0039
.500	-.0038
600	- 0046
.700	-.0028
.775	-.0052
.800	-.0049
.825	-.0041

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	.1481
.030	.0645
.060	.0360
.080	.0324
.100	.0258
.130	.0254
.160	0600
.170	.0725
.180	.0724
.190	.0363
200	.0129
.250	0011
.300	0002
.500	-.0012
600	- 0005
700	.0003
.775	.0004
800	.0021
825	.0068

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1031
.030	.0438
.060	.0256
.080	.0219
.100	.0193
.130	.0197
.160	.0804
.170	.0755
.180	.0655
.190	.0295
.200	.0081
.250	-.0004
.300	-.0005
.500	-.0008
.600	-.0011
.700	-.0008
.775	.0007
800	.0026
.825	.0044

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0722
.030	.0335
.060	.0303
.080	.0187
.100	.0150
.130	.0155
.160	.0693
.170	.0627
.180	0532
.190	.0227
.200	.0040
.250	-.0017
.300	-.0020
.500	.0082
.600	-.0014
.700	.0003
.775	.0018
.800	.0033

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB20)

ALPHA (5) = 39.932 MACH (1) = 10.290

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	.0067

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0549
.030	.0277
.060	.0250
.080	.0162
.100	.0129
.130	.0128
160	.0662
.170	.0702
.180	0549
.190	0204
.200	.0022
.250	- 0036
.300	-.0031
.500	.0040
.600	-.0023
.700	.0016
775	.0049
.800	0076
.825	.0132

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15 667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2759
.030	.1183
.060	.0602
.080	.0552
.100	.0437
.130	.0536
.160	.0708
.170	.1062
180	.1295
.190	0766
.200	.0301
.250	.0006
.300	-.0011
.500	-.0102
.600	-.0048
.700	-.0050
.775	.0004
.800	.0015
.825	.0044

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0000
.030	.0000
.060	.0000
.080	.0000
.100	.0000
.130	.0000
.160	.0000
.170	.0000
180	0000
190	.0000
200	.0000

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZ830)

ALPHA (2) = 24.590 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0000
.300	.0000
.500	.0000
.600	.0000
.700	.0000
.775	.0000
.800	.0000
.825	.0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1 8292

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1913
.030	.0743
.060	.0379
.080	.0295
100	.0213
.130	.0245
.160	.0573
.170	.0758
.180	.0879
.190	.0413
.200	.1631
.250	.0003
.300	-.0121
.500	-.0131
.600	-.0163
.700	- 0143
.775	-.0106
.800	-.0098
.825	-.0104

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZ830)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0682
.030	.0296
.060	.0099
.080	.0179
.100	.0158
.130	.0154
.160	.0978
.170	.0927
.180	.0738
.190	.0256
.200	.0238
250	-.0033
.300	-.0068
.500	-.0166
.600	-.0052
.700	-.0020
.775	-.0023
.800	-.0013
.825	0002

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	.0535
.030	.0233
.060	.0046
.080	.0164
100	.0131
.130	.0102
.160	.0607
.170	.1023
.180	0686
.190	0207
.200	0257
.250	-.0030
.300	-.0060
.500	-.0111
.600	-.0054
.700	.0024
.775	.0002
.800	.0009

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB30)

ALPHA (5) = 44.091 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	.0037

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0278
.030	.0066
.060	.0029
.080	.0005
.100	-.0042
.130	-.0068
.160	.0401
.170	.0831
.180	.0397
.190	.0027
.200	.4494
.250	.0147
.300	-.0146
.500	-.0144
.600	-.0156
.700	-.0118
.775	- 0092
800	-.0068
.825	- 0020

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7 320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2619
.030	.0960
.060	.0497
.080	.0372
.100	.0274
.130	.0379
.160	.0497
.170	.1033
.180	.1309
.190	.0614
.200	.0096
.250	-.0140
.300	-.0150
.500	-.0151
.600	-.0176
.700	-.0160
.775	- 0151
.800	-.0139
.825	-.0115

ALPHA (2) = 29 712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
.010	.1265
.030	.0391
.060	.0170
.080	.0129
.100	.0088
.130	.0141
.160	.0815
.170	.0771
.180	.0758
.190	.0234
.200	.0024

ARC 3.5-198 0H38 140C ORB TOP CENTER LINE (REZB31)

ALPHA (2) = 29.712 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0187
.300	-.0188
500	-.0214
.600	-.0196
.700	-.0189
.775	-.0161
.800	-.0145
.825	-.0112

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB32) (11 NOV 75.)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	-40.117
ELEV-R =	-39 717	SPDBRK =	.000
BDFLAP =	000	RN/L =	3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.3593
.030	.1543
.060	.0899
.080	.0669
.100	.0497
.130	.0678
.160	.0810
.170	.1551
.180	.2344
.190	.1197
.200	.1471
.250	.0012
.300	.1154
.500	-.0072
.600	.0000
.700	-.0147
.775	-.0098
.800	-.0051
.825	0050

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2694
.030	.1070
.060	.0562
080	.0440
.100	.0330
.130	.0427
.160	.0576
.170	.0952
.180	.1198
.190	.0650
.200	.0158

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB32)

ALPHA (2) = 19.534 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0115
.300	-.0130
.500	-.0127
.600	-.0166
.700	-.0165
.775	-.0121
800	-.0111
825	-.0087

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1839
.030	.0716
.060	.0381
.080	.0273
100	.0192
.130	.0221
.160	.0581
.170	.0766
.180	.0872
.190	.0402
.200	.1137
.250	-.0051
300	-.0142
.500	-.0145
.600	-.0181
.700	-.0161
.775	-.0121
.800	-.0110
.825	-.0098

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZ832)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1294
.030	.0459
.060	.0212
.080	.0167
100	0114
.130	.0147
.160	.0779
.170	.0671
.180	.0742
.190	.0273
.200	.0084
.250	-.0167
.300	-.0183
.500	-.0192
.600	-.0188
.700	-.0174
.775	-.0156
.800	-.0139
.825	-.0113

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0869
030	.0287
.060	.0116
080	.0098
.100	.0069
.130	.0138
.160	.0945
.170	.0682
.180	.0685
.190	.0225
200	0112
.250	-.0169
.300	- 0196
.500	- 0195
.600	- 0185
.700	- 0174
.775	-.0153
.800	-.0132

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE (REZB32)

ALPHA (5) = 34.863 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	-.0104

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0563
.030	.0174
.060	.0069
.080	.0060
.100	.0044
.130	.0056
.160	.0742
.170	.0993
.180	.0625
.190	0140
.200	.2909
.250	.0039
.300	-.0179
.500	-.0153
.600	-.0182
.700	-.0172
.775	-.0155
.800	-.0141
825	-.0119

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	.0374
.030	.0119
060	.0067
.080	.0038
.100	.0006
.130	-.0023
.160	.0538
.170	.0899
.180	.0488

ARC 3.5-198 0H38 140C ORB TOP CENTER LINE (REZB32)

ALPHA (7) = 44.152 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.190	.0068
.200	.1684
.250	-.0037
.300	-.0176
.500	-.0147
.600	-.0180
.700	-.0154
.775	-.0133
.800	-.0122
.825	-.0103

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0178
.030	.0007
.060	.0028
.080	-.0034
.100	-.0070
130	-.0098
.160	.0306
.170	.0000
180	.0000
190	.0027
.200	.2813
.250	.0000
300	.3182
500	-.0121
600	0120
.700	-.0089
.775	.0000
.800	0000
.825	.0000

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = 000
BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7 320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2608
.030	.1033
.060	.0550
.080	.0381
.100	.0280
.130	.0378
.160	.0529
.170	1052
.180	.1315
.190	.0619
.200	.0088
.250	-.0131
.300	-.0138
.500	-.0124
.600	-.0168
.700	-.0152
.775	- 0141
.800	-.0133
825	- 0105

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1756
030	.0608
.060	.0310
.080	.0226
.100	.0160
.130	0188
160	.0637
.170	.0830
.180	0929
.190	.0381
.200	.1600

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB33)

ALPHA (2) = 24.599 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0051
.300	.1596
.500	-.0189
.600	-.0046
.700	-.0159
.775	-.0141
.800	-.0129
.825	-.0100

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0823
.030	.0246
.060	.0118
.080	.0089
.100	.0078
.130	0154
.160	.0915
.170	.0753
.180	.0715
.190	.0207
.200	.2552
.250	- 0023
.300	.2695
.500	- 0189
.600	-.0001
.700	-.0154
.775	-.0159
.800	- 0133
825	-.0106

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB33)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0502
.030	.0134
.060	.0057
080	.0066
.100	.0070
.130	.0032
.160	.0575
.170	.0977
.180	.0786
.190	.0137
.200	- 0049
.250	-.0179
300	-.0192
500	-.0186
.600	-.0181
.700	- 0173
.775	- 0155
.800	- 0138
.825	-.0114

ARC 3.5-198 OH38 140C OR8 TOP CENTER LINE (REZ834) (11 NOV 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1 8292

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0000
.030	.0000
.060	.3531
.080	.0765
.100	.0622
.130	.0790
.160	.0802
.170	.1388
.180	.2260
.190	1260
200	.1329
250	.0104
.300	-.0011
.500	.3151
.600	-.0020
.700	-.0040
.775	-.0002
800	0047
.825	.0173

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2637
.030	.1046
.060	.0559
.080	.0419
100	.0304
.130	.0403
.160	0576
.170	0932
.180	.1171
.190	0633
.200	0126

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB34)

ALPHA (2) = 19.440 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0126
300	-.0138
.500	-.0116
.600	-.0168
.700	-.0173
.775	-.0127
.800	-.0112
.825	-.0089

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1920
.030	0757
.060	.0344
.080	.0321
.100	.0237
.130	.0270
.160	.0658
.170	.0867
.180	.0972
190	.0470
.200	.2645
250	.0089
.300	-.0091
500	-.0166
.600	-.0137
.700	-.0118
.775	-.0076
800	-.0065
.825	- 0049

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZ834)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1273
.030	.0444
.060	.0232
.080	.0149
.100	.0102
.130	.0132
.160	.0813
.170	.0662
.180	.0740
.190	0263
.200	.0016
250	- 0177
.300	- 0188
.500	- 0167
.600	-.0192
.700	-.0182
.775	- 0158
.800	-.0148
.825	-.0121

ALPHA (5) = 34 820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0923
.030	.0337
.060	.0134
.080	.0147
.100	.0119
.130	.0180
.160	.1005
.170	.0771
.180	.0743
.190	0284
.200	.4334
.250	.0169
.300	-.0117
.500	-.0181
.600	-.0134
.700	-.0123
.775	-.0108
.800	-.0085

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB34)

ALPHA (5) = 34.820 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	-.0059

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0536
.030	.0136
.060	.0063
.080	.0022
.100	.0020
.130	.0029
.160	.0705
.170	.0942
.180	.0584
.190	.0119
200	.0029
.250	-.0167
.300	-.0192
.500	-.0186
.600	-.0193
.700	-.0178
.775	-.0166
.800	-.0157
.825	-.0138

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0441
.030	0192
060	.0069
080	.0091
100	0055
130	.0029
.160	.0646
.170	.1010
.180	0537

ARC 3.5-198 0H38 140C ORB TOP CENTER LINE (REZB34)

ALPHA (7) = 44.264 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.190	.0127
.200	.1535
.250	-.0004
.300	-.0129
.500	-.0165
.600	-.0129
700	-.0106
.775	-.0082
.800	-.0075
.825	-.0064

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L	
.010	.0000
.030	.0000
.060	.0054
.080	.0083
100	.0059
.130	.0008
.160	.0444
.170	.0850
.180	.0471
.190	.0112
.200	.2119
.250	0131
.300	- 0023
.500	- 0110
.600	- 0035
.700	.0011
.775	- 0008
.800	-.0013
.825	.0050

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2663
.030	.1054
.060	.0554
.080	0419
100	.0303
130	.0413
160	.0553
.170	.0956
180	.1218
190	.0642
200	.0179
.250	-.0124
.300	-.0141
.500	-.0137
600	-.0175
.700	-.0182
.775	- 0135
.800	-.0125
.825	-.0104

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1948
.030	.0707
.060	.0337
080	0253
.100	.0177
.130	.0206
.160	.0630
.170	.0917
.180	.1010
.190	.0468
200	.0081

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB35)

ALPHA (2) = 24.886 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0139
.300	-.0150
.500	-.0160
.600	-.0177
.700	-.0161
.775	-.0136
.800	-.0125
.825	-.0106

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1 8294

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1229
.030	.0407
.060	.0279
.080	.0104
.100	.0058
.130	.0093
.160	.0743
.170	.0590
.180	.0686
190	.0214
200	-.0068
250	- 0183
300	-.0201
500	-.0144
600	-.0195
.700	-.0197
.775	-.0189
800	-.0175
.825	-.0163

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB35)

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	0790
.030	0223
.060	0177
.080	0035
100	.0005
.130	0065
160	.0894
.170	.0573
.180	.0617
.190	.0157
200	- 0118
.250	-.0187
.300	-.0204
500	-.0130
.600	-.0203
.700	- 0195
.775	- 0194
800	-.0176
825	- 0155

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0497
.030	.0120
060	0100
.080	.0007
.100	-.0011
.130	-.0001
.160	0647
.170	0877
180	.0654
.190	0093
.200	-.0106
.250	-.0159
.300	-.0170
.500	-.0160
.600	-.0178
.700	- 0167
.775	-.0170
.800	- 0165

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB35)

ALPHA (5) = 39.947 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	-.0162

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0358
.030	.0089
.060	.0011
.080	.0024
.100	- 0003
.130	-.0032
.160	.0514
.170	.0945
.180	.0537
.190	0079
.200	-.0120
.250	-.0173
.300	-.0180
.500	-.0205
.600	-.0171
.700	-.0164
.775	-.0146
.800	-.0134
.825	-.0123

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14 333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.3541
030	.1526
060	.0819
080	.0676
.100	.0525
.130	.0711
.160	0754
.170	.1390
.180	.2213
190	.1199
200	.2199
.250	.0056
.300	-.0106
.500	-.0175
.600	-.0110
.700	- 0148
.775	-.0118
.800	-.0048
.825	.0110

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAJ = 1.8312

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	1892
030	.0681
.060	.0346
.080	.0237
.100	.0161
.130	0189
.160	.0581
.170	.0900
.180	1000
190	.0443
.200	.1932

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB36)

ALPHA (2) = 24.838 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0065
.300	- 0145
.500	-.0164
.600	-.0189
.700	-.0174
.775	-.0138
.800	-.0126
825	-.0109

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1345
.030	.0515
.060	.0244
.080	.0217
.100	.0168
.130	.0198
.150	.0828
.170	0736
.180	.0819
190	0334
200	.3456
250	.0146
300	-.0091
500	- 0149
600	- 0122
700	- 0112
.775	-.0083
.800	-.0079
.825	- 0064

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB36)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0377
.030	.0113
.060	-.0056
.080	.0021
.100	-.0008
.130	-.0031
.160	.0570
.170	0929
.180	0467
.190	.0073
.200	3089
.250	.0043
.300	-.0181
.500	- 0270
.600	- 0192
700	-.0166
775	-.0149
.800	- 0140
825	- 0120

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0281
030	.0113
060	.0032
.080	.0056
.100	.0010
130	-.0021
.160	.0412
.170	0871
.180	.0510
.190	.0067
.200	.5867
.250	.0272
300	-.0092
.500	-.0127
.600	-.0112
700	-.0070
.775	-.0041
.800	-.0023

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB36)

ALPHA (5) = 48.639 $MACH_{\infty}$ (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	.0024

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2967
.030	.1478
.060	.0845
.080	.0633
.100	.0521
.130	.0688
.160	.0698
.170	.1567
.180	.2533
.190	.1228
.200	.0860
.250	-.0054
.300	-.0121
.500	-.0101
.600	-.0108
.700	-.0150
.775	-.0143
.800	-.0098
.825	-.0115

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2714
.030	.0998
.060	.0518
.080	.0385
.100	.0292
.130	.0422
.160	.0488
.170	.1157
.180	.1532
.190	.0688
.200	.0724

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB37)

ALPHA (2) = 19.629 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0088
.300	-.0139
500	-.0122
.600	- 0164
700	-.0166
775	- 0144
800	-.0134
.825	-.0104

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZ838) (04 OCT 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	-7.367
ELEV-R =	-7 033	SPOBRK =	.000
BDFLAP =	-12.167	RN/L =	6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1 8304

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2593
030	.0954
.060	.0502
.080	.0365
.100	.0271
.130	.0375
.160	.0468
.170	1007
.180	.1331
.190	.0600
.200	.0946
250	-.0095
.300	-.0154
.500	-.0137
600	- 0185
.700	-.0166
.775	-.0153
.800	-.0139
825	- 0120

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	.1845
030	.0621
.060	.0295
.080	.0217
.100	.0151
130	.0177
.160	.0741
170	.0952
.180	.0994
.190	.0400
.200	.1286

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (REZB38)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0094
.300	-.0171
.500	-.0192
.600	-.0206
.700	-.0186
.775	-.0166
.800	-.0147
.825	-.0122

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB03) (23 SEP 74)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2616
.030	.1044
.060	.0588
.080	.0423
.100	.0311
130	.0401
.160	.0571
.170	.0857
.180	.1168
.190	.0620
.200	.1204
250	-.0038
.300	-.0131
.500	-.0083
600	-.0170
.700	-.0178
775	.4524
800	.0172
825	- 0057

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	.1838
030	.0677
060	0380
080	0256
.100	.0177
.130	.0215
160	.0609
170	.0738
.180	.0875
.190	.0405
.200	1612

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB03)

ALPHA (2) = 24.885 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0028
.300	-.0155
.500	-.0141
.600	-.0193
.700	-.0175
.775	.6385
.800	0231
825	-.0071

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1300
.030	.0440
.060	.0238
080	.0153
100	0100
.130	.0136
160	.0800
170	.0715
.180	.0770
.190	.0286
200	2163
250	.0007
.300	- 0153
.500	-.0159
.600	-.0178
.700	-.0167
775	6143
800	.0275
825	-.0077

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0790
.030	.0268
.060	.0190
.080	.0079
.100	.0054
.130	.0109
.160	.0919
.170	.0626
.180	.0645
.190	.0185
.200	.0471
.250	-.0140
.300	-.0196
.500	- 0147
.600	-.0185
.700	-.0174
775	.1716
.800	.0020
.825	- 0097

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0524
.030	.0170
.060	.0101
.080	.0050
.100	.0023
.130	.0014
160	.0864
170	.0796
.180	0616
.190	.0100
.200	.0665
.250	-.0116
.300	-.0199
.500	-.0154
.600	-.0185
700	-.0170
.775	.2565
.800	.0075

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB03)

ALPHA (5) = 39.947 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	-.0099

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0359
.030	.0095
.060	.0036
.080	.0024
.100	-.0008
.130	-.0039
.160	.0488
.170	.0812
.180	.0595
.190	.0083
.200	.0969
250	-.0101
.300	-.0199
.500	-.0191
600	-.0190
700	-.0171
.775	.4052
800	.0136
825	-.0093

ALPHA (7) = 48 803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0238
.030	.0054
060	.0051
.080	0000
.100	-.0050
.130	-.0069
160	0000
170	0790
.180	.0378

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZ803)

ALPHA (7) = 48.803 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.190	.0024
.200	.0759
.250	-.0110
.300	-.0181
.500	-.0145
.600	-.0169
.700	-.0122
.775	.3623
.800	.0164
.825	-.0025

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2696
.030	.2693
.060	.0495
.080	.0449
100	.0305
.130	.0419
.160	.0491
.170	.1126
180	.1467
.190	.0680
.200	.2688
.250	.0051
300	- 0116
.500	-.0143
.600	-.0147
700	-.0148
.775	-.0132
.800	-.0123
825	-.0095

ALPHA (2) = 24 809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	.1756
.030	.0589
.060	.0293
.080	.0209
100	.0145
.130	.0179
160	0656
.170	.0763
180	0891
.190	.0368
.200	.0429

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB04)

ALPHA (2) = 24.809 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0143
.300	-.0173
.500	-.0195
.600	-.0202
.700	-.0183
.775	.1682
.800	-.0034
.825	-.0108

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1279
030	.0393
060	.0175
.080	.0130
100	.0087
.130	.0137
.160	.0824
.170	.0784
.180	.0769
.190	.0245
.200	.0578
.250	-.0144
.300	-.0184
.500	-.0217
.600	-.0192
.700	-.0185
.775	.2452
800	-.0012
.825	- 0095

ARC 3.5-198 OH38 140C OR3 TOP CENTER LINE (XEZ804)

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0735
.030	.0222
060	.0152
080	.0072
100	0065
.130	.0103
.160	.1002
.170	.0664
.180	.0668
.190	.0179
.200	.0397
.250	-.0155
.300	-.0204
.500	-.0162
.600	-.0180
.700	-.0169
.775	1706
.800	-.0021
.825	-.0117

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0440
.030	.0125
.060	.0145
080	.0060
100	.0047
.130	-.0022
.160	.0504
.170	.0890
.180	.0666
.190	.0074
.200	.0171
.250	-.0163
.300	-.0195
.500	- 0137
.600	-.0168
.700	- 0151
.775	.1456
.800	-.0021

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB04)

ALPHA (5) = 39.840 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	-.0108

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5 9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0317
.030	.0065
.060	.0044
.080	.0040
.100	.0007
.130	- 0056
.160	.0428
.170	0780
.180	.0685
.190	.0069
.200	.0492
.250	-.0159
.300	-.0201
.500	-.0161
.600	-.0190
.700	- 0173
.775	2415
800	-.0009
825	-.0121

ARC 3.5-198 0H38 140C ORB TOP CENTER LINE (XEZB05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1 8291

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2658
.030	.1060
.060	.0589
.080	.0440
.100	.0325
.130	.0425
.160	.0575
.170	.0934
.180	.1179
190	.0649
.200	.0239
.250	-.0106
.300	-.0127
.500	-.0099
.600	-.0164
.700	-.0168
.775	- 0115
.800	- 0102
.825	- 0077

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
010	.1292
.030	.0465
.060	.0249
080	.0170
100	.0115
.130	.0153
160	.0820
.170	.0677
180	.0757
.190	.0280
.200	.0244

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB05)

ALPHA (2) = 29.560 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0150
.300	-.0181
.500	-.0161
.600	- 0181
.700	-.0174
.775	-.0145
.800	-.0138
.825	-.0114

ALPHA (3) = 32 095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0850
.030	.0300
.060	.0147
.080	.0109
.100	.0080
.130	0135
.160	.0884
.170	.0652
180	.0719
190	.0226
.200	.1802
.250	.0006
.300	- 0148
500	-.0156
.600	-.0154
.700	-.0134
.775	- 0132
.800	- 0118
.825	-.0095

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZ805)

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0577
.030	.0163
.060	.0090
.080	.0046
.100	.0040
.130	.0051
.160	.0690
.170	.0990
180	.0611
.190	.0140
.200	0343
.250	-.0140
.300	-.0191
.500	-.0151
600	- 0183
.700	-.0169
775	-.0159
.800	-.0147
.825	-.0123

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0385
.030	.0101
060	.0104
080	.0022
.100	-.0004
.130	-.0035
.160	.0490
.170	.0857
.180	.0500
.190	.0064
.200	2990
250	.0084
.300	-.0146
500	-.0127
.600	- 0152
700	- 0116
.775	- 0122
800	- 0115

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB05)

ALPHA (5) = 45.000 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	-.0090

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0225
.030	.0031
.060	0041
080	-.0017
.100	-.0056
.130	-.0084
.150	.0337
.170	.0872
.180	.0494
.190	.0022
200	.5117
.250	0186
.300	-.0147
.500	-.0088
.600	-.0154
700	-.0120
.775	- 0103
.800	-.0087
.825	- 0039

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB06) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6 7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2553
.030	.0932
.060	.0495
.080	.0355
.100	.0259
.130	.0362
.160	.0447
.170	.0976
.180	1302
.190	.0578
.200	.0304
.250	-.0140
.300	-.0163
.500	-.0137
.600	-.0191
.700	-.0170
.775	-.0160
.800	-.0143
.825	-.0124

ALPHA (2) = 25 000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1757
.030	.0613
.060	.0307
.080	.0227
.100	.0162
.130	.0195
.160	.0639
.170	.0813
.180	.0917
.190	.0376
.200	1423

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB06)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0060
.300	.1392
.500	-.0191
.600	-.0058
.700	-.0158
.775	-.0139
.800	-.0125
.825	-.0093

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1275
.030	.0385
.060	.0175
.080	.0115
.100	.0074
.130	.0116
160	.0792
170	.0772
180	.0749
190	.0244
.200	.0163
.250	-.0188
.300	-.0200
500	-.0203
600	-.0210
700	-.0198
.775	-.0170
.800	-.0149
.825	-.0113

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZ806)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0824
.030	.0248
.060	.0114
.080	.0090
.100	.0081
.130	.0155
.160	0880
.170	.0822
.180	.0725
.190	.0200
.200	.2245
.250	-.0036
300	.2374
.500	-.0196
.600	-.0012
.700	-.0155
775	- 0159
.800	-.0137
.825	-.0117

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.3646
.030	.1549
.060	.0000
.080	.0671
.100	.0544
.130	.0726
.160	0746
.170	.1464
.180	.2406
.190	.1248
.200	.4194
.250	.0158
.300	-.0102
.500	.0000
.600	-.0114
.700	-.0151
775	-.0106
.800	-.0057
.825	.0087

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2672
030	.1060
060	.0573
.080	.0433
100	0318
.130	.0422
160	.0579
.170	.0947
180	.1195
.190	.0650
.200	.0172

ARC 3.5-198 0H38 140C ORB TOP CENTER LINE (XEZB11)

ALPHA (2) = 19.441 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0117
.300	-.0134
.500	-.0105
600	-.0167
700	-.0171
.775	-.0120
800	-.0105
.825	-.0084

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1953
.030	.0723
.060	.0354
.080	0270
.100	.0193
.130	.0225
.160	.0640
170	.0931
180	.1024
.190	.0462
.200	.6671
.250	.0264
300	- 0120
500	- 0155
.600	- 0189
.700	-.0177
.775	- 0139
.800	-.0127
.825	- 0114

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB11)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1290
.030	.0457
.060	.0233
.080	.0165
.100	.0116
.130	.0147
.160	.0817
.170	.0677
.180	.0751
.190	.0279
.200	.0128
.250	-.0164
300	-.0182
500	-.0177
600	-.0188
.700	- 0176
.775	-.0152
.800	- 0143
.825	-.0116

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0853
030	.0306
060	.0165
.080	.0105
100	.0080
.130	.0143
.160	.0901
.170	.0640
.180	.0709
190	.0211
200	.1453
250	- 0032
300	- 0163
500	-.0144
600	-.0160
700	-.0150
775	-.0132
800	-.0116

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB11)

ALPHA (5) = 34.627 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	-.0093

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0571
.030	.0165
.060	.0076
.080	.0047
.100	.0041
.130	.0045
.160	.0719
.170	.0963
.180	.0578
.190	.0132
.200	.0158
.250	-.0165
.300	-.0196
.500	-.0166
.600	-.0189
.700	-.0167
.775	-.0147
.800	-.0131
.825	-.0113

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0389
030	.0119
.060	.0089
080	.0039
100	.0005
130	-.0018
.160	.0511
.170	.0879
.180	0479

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (XEZB11)

ALPHA (7) = 44.081 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.190	.0093
.200	.2363
.250	.0038
.300	-.0155
500	-.0155
.600	-.0159
.700	-.0131
.775	-.0115
.800	-.0100
.825	-.0070

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0231
.030	.0067
.060	.0045
.080	.0012
100	-.0042
.130	-.0065
.160	.0410
.170	.0800
.180	0477
.190	.0040
.200	.4026
250	.0112
.300	-.0149
.500	-.0139
.600	-.0142
.700	- 0109
.775	- 0076
.800	- 0060
825	-.0011

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (YEZB03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1 8301

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.2620
.030	.1047
.060	.0572
.080	.0418
.100	.0310
.130	.0416
.160	.0543
.170	.0932
180	.1218
190	0631
.200	2343
250	0034
.300	-.0129
.500	-.0114
.600	-.0173
.700	-.0185
.775	-.0128
.800	-.0116
.825	-.0090

ALPHA (2) = 29 494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1271
030	.0456
.060	.0266
.080	0151
100	.0098
.130	0129
160	.0780
.170	.0627
180	.0719
.190	.0251
.200	.0102

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (YEZB03)

ALPHA (2) = 29.494 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	-.0175
.300	-.0194
.500	-.0145
.600	-.0197
.700	-.0189
.775	-.0163
800	-.0153
.825	-.0126

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0839
.030	.0279
.060	.0156
.080	.0081
.100	.0055
.130	.0119
.160	.0898
.170	.0669
.180	.0675
190	.0201
.200	3703
.250	.0084
300	-.0172
.500	-.0164
.600	-.0189
700	- 0181
.775	- 0165
.800	- 0150
.825	-.0128

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (YEZ803)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0543
.030	.0137
.060	.0076
.080	.0024
.100	.0018
.130	.0029
.160	.0668
.170	.0972
.180	.0584
.190	.0113
.200	.0160
.250	-.0167
.300	-.0204
.500	-.0169
.600	-.0202
.700	-.0190
.775	-.0180
800	-.0166
.825	-.0148

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0359
.030	.0097
.060	.0051
.080	.0032
.100	.0001
.130	-.0032
.160	0518
.170	0778
.180	0612
.190	.0079
.200	6305
.250	0213
.300	-.0164
.500	-.0153
.600	-.0190
.700	-.0170
.775	-.0154
.800	-.0142

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (YEZB03)

ALPHA (5) = 44.104 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.825	-.0127

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (YEZB04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = 0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = 000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1205
.030	.2620
.060	.0185
.080	.0236
.100	.0103
.130	.0170
.160	.0783
.170	.0733
.180	.0687
.190	.0218
.200	.1623
.250	-.0061
300	-.0175
.500	-.0189
.600	- 0182
.700	-.0172
.775	-.0159
.800	-.0134
.825	- 0104

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.0536
.030	.3166
060	.0050
.080	0176
.100	0068
.130	0022
.160	.0612
.170	.1048
.180	.0699
.190	.0117
.200	.2689

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE (YEZB04)

ALPHA (2) = 39.926 MACH (1) = 7.320

SECTION (1)TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
250	-.0016
.300	-.0181
.500	-.0186
.600	-.0179
.700	-.0170
.775	-.0161
.800	-.0143
.825	- 0124

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0121	
.054		.2336	.1887	
.150	.0158	.1222	.0537	.0012
.342	.0119	.0368	.0185	.0013
.727	.0053	.0127	.0020	-.0008
.823	.0040			
.881		.0718		

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0041	
.054		-.0127	-.0009	
.150	-.0082	-.0104	-.0034	-.0120
.342	-.0151	.0006	-.0126	-.0120
.727	-.0150	-.0112	-.0144	-.0163
.823	-.0142			
.881		.0276		

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = 12880 CPSTAG = 1.8304

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0000	
054		.0000	.0000	
.150	.0077	.0000	0000	.0033
.342	-.0002	.0000	.0000	.0029
.727	.0060	.0000	0000	-.0025
.823	.0041			
.881		.0514		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC01)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0079	
.054		-.0117	-.0126	
.150	-.0064	-.0129	-.0121	-.0110
.342	-.0135	-.0116	-.0129	-.0123
.727	-.0121	-.0102	-.0073	-.0141
.823	- 0115			
.881		.0292		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC02) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0087	
.054		.2532	.1531	
.150	.0093	.0892	.0323	-.0192
.342	.0059	.0119	-.0009	-.0195
.727	-.0095	-.0062	-.0157	-.0193
.823	-.0161			
.881		-.0116		

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0013	
.054		-.0133	-.0045	
.150	-.0137	-.0035	-.0024	-.0151
.342	-.0154	-.0085	-.0108	-.0150
.727	-.0150	-.0127	-.0147	-.0151
.823	-.0155			
.881		-.0015		

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0086	
.054		-.0112	-.0125	
.150	-.0109	-.0115	-.0111	-.0155
.342	-.0126	-.0101	-.0107	-.0147
.727	-.0114	-.0086	-.0091	-.0148
.823	-.0102			
.881		-.0006		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC03) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = 000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0000	
.054		.0000	.0000	
.150	.0220	.0000	.0000	.0080
.342	.0217	.0000	.0000	.0128
.727	.0180	.0000	.0000	.0130
.823	.0181			
.881		.0253		

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0000	
.054		.0000	.0000	
.150	.0100	.0000	.0000	.0110
.342	0077	.0000	.0000	.0112
.727	.0102	.0000	.0000	.0112
.823	.0101			
.881		.0222		

ALPHA (3) = 29 791 MACH (1) = 7.320 RN/L = 3.1881 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0000	
.054		.0000	.0000	
.150	.0207	.0000	.0000	.0172
.342	0160	.0000	.0000	.0174
.727	.0157	.0000	.0000	.0183
.823	.0164			
.881		.0265		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC03)

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0000	
.054		.0000	.0000	
.150	.0167	.0000	.0000	.0184
.342	.0169	.0000	.0000	.0155
.727	.0182	.0000	.0000	.0154
.823	.0182			
881		.0243		

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0000	
054		.0000	.0000	
150	.0184	.0000	.0000	.0197
.342	.0196	.0000	.0000	.0127
.727	.0180	.0000	.0000	.0140
.823	.0190			
.881		.0263		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC04) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6 500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0000	
.054		0000	.0000	
.150	.0197	0000	0000	-.0093
.342	.0169	.0000	.0000	-.0068
.727	.0004	0000	0000	-.0074
.823	.0011			
.881		.0003		

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4 0000
X/LOMS				
.000			.0091	
.054		.0612	0957	
.150	-.0040	.0515	0272	-.0051
.342	-.0095	.0143	.0016	-.0052
.727	-.0070	-.0017	-.0074	-.0050
.823	-.0068			
.881		0128		

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0070	
.054		-.0018	.0060	
.150	-.0033	.0089	.0069	-.0036
.342	-.0027	.0036	-.0004	-.0036
.727	-.0040	-.0016	-.0047	-.0033
.823	-.0040			
.881		.0076		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC04)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0078	
.054		-.0115	-.0091	
.150	-.0107	-.0108	-.0097	-.0161
.342	-.0103	-.0105	-.0122	-.0163
.727	-.0102	-.0107	-.0118	-.0161
.823	-.0114			
.881		-.0040		

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0104	
.054		-.0121	-.0135	
.150	-.0132	-.0125	-.0118	-.0121
.342	-.0138	-.0105	-.0114	-.0158
.727	-.0124	-.0107	-.0100	-.0149
.823	-.0122			
.881		-.0092		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0338	
.054		.0269	.0385	
.150	.0309	.0300	.0373	.0302
.342	.0313	.0376	.0278	.0277
.727	.0258	.0348	.0249	.0243
.823	.0262			
.881		.0445		

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0395	
.054		1324	.1822	
.150	.0419	.1476	.0800	.0219
.342	.0295	.0661	.0440	.0259
.727	.0289	.0386	.0286	.0248
.823	.0251			
.881		.0415		

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0313	
.054		.0270	.0280	
.150	.0461	0277	.0266	.0264
.342	.0399	.0282	.0273	.0267
.727	.0321	.0284	.0298	.0265
.823	.0283			
.891		.0624		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0112	
054		.2524	.1684	
.150	.0288	.1064	.0522	-.0005
.342	.0292	.0316	.0192	.0009
.727	.0118	0134	.0044	.0003
.823	.0130			
.881		.0155		

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0063	
.054		-.0102	.0053	
.150	-.0091	.0085	.0042	-.0119
.342	-.0122	.0031	-.0083	-.0098
.727	-.0119	-.0087	-.0134	-.0100
.823	-.0118			
.881		-.0096		

ALPHA (3) = 40 016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0027	
.054		.0005	-.0003	
.150	.0001	.0002	.0002	.0023
.342	.0002	0012	.0014	-.0029
.727	.0017	-.0000	.0017	-.0007
823	.0019			
.881		.0025		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = 0000
BREF = 1290.3000 IN. ZMRP = 0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0453	
.054		.1428	.1802	
.150	.0436	.1534	.0858	.0292
.342	.0354	.0727	.0503	.0318
727	.0314	.0461	.0356	.0306
.823	.0315			
.881		.0435		

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1 8302

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0384	
.054		.0341	.0407	
.150	.0345	.0367	.0397	.0368
.342	.0313	.0457	.0339	.0366
.727	.0316	.0345	.0313	.0372
823	.0335			
.881		.0411		

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0385	
.054		.0343	.0352	
.150	.0431	.0351	.0337	.0326
.342	.0358	.0352	.0341	.0326
.727	.0372	.0355	.0373	.0338
.823	.0370			
.881		.0427		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC08) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0023	
.054		.2466	.1570	
.150	.0204	.0986	.0430	-.0095
.342	.0153	.0225	.0103	-.0090
.727	.0015	.0041	-.0049	-.0084
.823	-.0088			
.881		.0088		

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0171	
.054		.0067	.0158	
.150	.0038	.0133	.0146	.0096
.342	.0040	.0142	.0071	.0079
.727	.0050	.0066	.0050	.0032
.823	.0041			
.881		.0107		

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0048	
054		.0025	.0021	
150	.0024	.0026	.0028	.0056
342	.0022	.0033	.0033	-.0004
727	.0045	.0024	.0030	0012
.823	.0053			
.881		.0083		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0416	
.054		.1723	.1907	
.150	.0422	.1570	.0841	.0247
.342	.0283	0697	.0470	.0283
.727	.0290	.0416	.0317	.0266
.823	.0252			
.881		.0418		

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0439	
.054		.0711	.0902	
.150	.0320	.1034	.0731	.0280
.342	.0324	.0631	0408	.0288
.727	.0285	.0342	.0288	.0285
.823	.0268			
.881		.0506		

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0004	
.054		-.0031	.0005	
.150	.0015	.0081	.0003	-.0039
.342	-.0029	.0016	-.0021	-.0034
.727	-.0012	.0019	-.0041	-.0040
.823	-.0042			
881		.0009		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC09)

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0021	
.054		-.0013	.0010	
.150	-.0013	-.0014	.0016	-.0003
.342	-.0007	-.0023	-.0020	-.0029
.727	-.0005	-.0006	-.0028	-.0036
.823	-.0009			
.881		-.0010		

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0023	
.054		-.0019	-.0012	
.150	.0032	-.0011	-.0023	-.0031
.342	-.0007	.0005	.0002	-.0027
.727	.0025	-.0032	- 0008	-.0023
.823	-.0023			
881		.0031		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC10) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0104	
.054		.2240	.1266	
.150	.0196	.1069	.0474	-.0013
.342	.0138	.0330	.0160	.0013
.727	.0063	.0104	.0030	.0017
.823	.0068			
.881		.0098		

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3 0000	4.0000
X/LOMS				
.000			.0167	
.054		.0835	.0958	
.150	.0041	.0595	.0354	.0004
.342	-.0005	.0307	.0111	.0024
.727	.0032	.0090	.0032	.0021
.823	.0039			
.881		.0115		

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4 0000
X/LOMS				
.000			.0131	
054		.0049	.0131	
.150	.0040	.0093	.0121	.0035
.342	.0045	.0094	.0050	.0035
.727	.0035	.0053	.0021	.0039
.823	.0033			
.881		.0170		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC10)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0093	
.054		.0056	.0093	
.150	.0060	.0058	.0082	.0070
.342	.0068	.0056	.0045	.0039
.727	.0070	.0055	.0048	.0031
.823	.0068			
.881		.0125		

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0091	
054		.0066	.0059	
.150	.0132	.0065	.0061	.0029
.342	.0070	.0070	.0070	.0032
.727	.0086	.0090	.0066	.0033
.823	.0088			
.881		.0227		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1 0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0169	
.054		.0956	.1472	
.150	.0141	.1186	.0568	.0030
.342	.0056	.0446	.0214	.0028
.727	.0023	.0173	.0071	.0032
823	.0021			
.881		.0138		

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0076	
.054		.0039	.0090	
.150	.0043	.0102	.0083	.0058
.342	.0043	.0142	.0052	.0063
.727	.0056	.0056	.0029	.0060
.823	.0054			
.881		0133		

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0098	
.054		.0061	.0057	
.150	.0077	.0056	0044	.0078
.342	.0060	.0064	.0046	.0082
.727	.0073	.0074	.0081	.0071
.823	.0072			
.881		.0177		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0104	
.054		.0880	.1483	
.150	.0028	.1181	.0498	-.0049
.342	.0023	.0374	.0146	-.0041
.727	-.0045	.0099	-.0004	-.0045
.823	-.0043			
.881		.0020		

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0000	
.054		.0000	.0000	
.150	-.0049	.0000	.0000	-.0031
.342	-.0051	.0000	.0000	-.0032
.727	- 0032	.0000	.0000	-.0034
.823	- 0036			
.881		-.0012		

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0095	
.054		-.0018	.0125	
.150	-.0034	.0019	.0090	-.0027
.342	-.0032	.0126	-.0005	-.0031
.727	-.0034	-.0012	-.0043	-.0023
.823	-.0029			
.881		-.0003		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC12)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0258	
054		.0229	.0246	
.150	.0221	.0225	.0268	.0237
.342	.0213	.0222	.0224	.0206
.727	.0224	.0232	.0204	.0196
823	.0224			
.881		.0323		

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0267	
.054		.0233	.0237	
150	.0235	.0233	.0229	.0265
.342	.0231	.0239	.0225	.0202
.727	.0256	.0239	.0258	.0218
.823	.0254			
.881		.0330		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC13) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0025	
.054		.2076	.1089	
.150	.0088	.1074	.0338	-.0143
.342	-.0027	.0231	.0032	-.0116
.727	-.0097	-.0001	-.0101	-.0113
.823	-.0092			
.881		-.0061		

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0032	
054		.0742	.0832	
150	.0000	.0466	0201	-.0121
342	-.0155	.0186	-.0031	-.0119
.727	-.0114	-.0034	-.0132	-.0120
823	-.0114			
.881		.0000		

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3 0000	4.0000
X/LOMS				
.000			-.0043	
054		-.0108	-.0060	
.150	- 0099	-.0061	-.0051	-.0125
.342	- 0119	- 0078	-.0098	-.0122
.727	-.0115	- 0107	-.0134	-.0123
.823	- 0123			
.881		-.0104		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0072	
.054		-.0106	-.0082	
.150	-.0115	-.0104	-.0087	-.0111
.342	-.0114	-.0106	-.0123	-.0132
.727	-.0112	-.0111	-.0124	-.0131
.823	-.0113			
.881		-.0113		

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = 28220 CPSTAG = 1.8293

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0064	
.054		.0038	.0037	
.150	.0042	.0041	.0036	.0060
.342	.0037	.0041	.0045	.0011
.727	.0055	.0035	.0041	.0028
.823	.0060			
.881		.0075		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1 8304

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			-.0020	
.054		.0220	.1252	
.150	-.0160	.0292	.0346	-.0163
.342	-.0150	.0017	-.0017	-.0168
.727	-.0156	-.0119	-.0154	-.0191
.823	-.0169			
881		-.0129		

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			-.0131	
.054		-.0140	-.0143	
.150	-.0148	-.0151	-.0154	-.0146
.342	-.0136	-.0164	-.0177	-.0174
.727	-.0119	-.0166	- 0197	-.0190
.823	-.0152			
.881		-.0152		

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0128	
.054		-.0158	-.0151	
.150	-.0154	-.0158	-.0147	-.0077
.342	-.0158	-.0153	-.0149	-.0161
.727	-.0119	-.0133	-.0154	-.0175
.823	-.0072			
.881		-.0143		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC15) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0012	
.054		.2874	.1471	
.150	-.0084	.1158	.0449	-.0131
.342	-.0083	.0243	.0068	-.0128
.727	-.0053	.0014	- 0088	-.0130
.823	-.0106			
.881		-.0035		

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0052	
.054		-.0089	-.0075	
.150	-.0093	-.0084	-.0069	-.0070
.342	-.0085	-.0084	-.0104	-.0109
.727	-.0070	-.0088	-.0130	-.0107
823	-.0070			
.881		- 0096		

ALPHA (3) = 40 081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1 0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0102	
.054		.0074	.0084	
150	.0080	.0075	.0084	.0132
.342	.0085	.0068	.0072	.0080
.727	.0088	.0072	.0061	.0062
.823	.0165			
.881		.0107		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .9000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0000	
.054		.3043	.1456	
.150	-.0048	.1130	.0374	-.0143
.342	-.0146	.0209	.0017	-.0154
.727	-.0172	-.0048	-.0139	-.0166
.823	-.0150			
.881		-.0140		

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0014	
.054		.0431	.0515	
.150	-.0181	.0563	.0293	-.0162
342	-.0195	.0258	-.0072	-.0162
.727	-.0174	-.0113	-.0164	-.0154
.823	- 0163			
.881		-.0152		

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0000	
.054		- 0177	-.0038	
.150	-.0173	- 0143	-.0105	-.0169
342	-.0175	.0018	-.0146	-.0168
727	-.0159	-.0134	-.0196	-.0166
.823	-.0163			
.881		-.0154		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC16)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0112	
.054		-.0131	-.0139	
.150	-.0153	-.0125	-.0116	-.0125
.342	-.0146	-.0153	-.0148	-.0167
.727	-.0026	-.0137	-.0167	-.0172
.823	-.0132			
881		-.0129		

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0068	
.054		-.0111	-.0069	
150	-.0114	-.0107	-.0134	-.0110
.342	-.0112	-.0109	-.0105	-.0112
.727	-.0112	-.0075	-.0076	-.0111
823	-.0113			
.881		-.0109		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19 440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = 12970 CPSTAG = 1.8292

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0024	
.054		.2936	.1467	
.150	-.0087	.1119	.0382	-.0193
.342	-.0144	.0221	.0003	-.0186
.727	-.0163	-.0054	-.0144	-.0181
.823	-.0187			
881		-.0129		

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0000	
.054		.0000	.0000	
.150	-.0176	.0000	.0000	-.0164
.342	-.0173	.0000	.0000	-.0165
.727	-.0161	.0000	.0000	-.0156
.823	-.0164			
.881		-.0152		

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0122	
054		-.0156	-.0138	
.150	-.0186	-.0157	-.0145	-.0189
.342	-.0189	- 0140	-.0149	-.0187
.727	-.0186	-.0150	- 0158	-.0190
.823	-.0194			
.881		-.0186		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0178	
.054		.2933	.0264	
.150	.0443	.1139	.0349	.0016
.342	.0293	.0491	.0130	.0019
.727	.0184	.0169	.0021	.0020
.823	.0010			
.881		.0086		

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0115	
.054		.0871	.1206	
.150	.0091	.1005	.0474	.0016
.342	.0035	.0446	.0146	.0018
.727	.0021	.0135	.0014	.0018
.823	0014			
.881		.0047		

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6842 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0007	
.054		.0331	.0090	
.150	-.0001	.0561	.0158	-.0024
.342	-.0036	.0312	.0046	-.0009
.727	-.0021	.0062	-.0044	-.0006
.823	-.0029			
.881		-.0003		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC18)

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1 8418

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0002	
.054		.0095	.0115	
.150	-.0021	.0184	.0100	-.0015
.342	-.0030	.0072	-.0003	-.0004
.727	-.0024	-.0013	-.0043	-.0002
.823	-.0008			
.881		-.0005		

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0011	
.054		-.0014	.0014	
.150	-.0029	.0006	-.0012	-.0007
342	-.0021	- 0000	-.0030	-.0013
.727	-.0014	.0011	.0004	-.0011
.823	-.0007			
.881		-.0009		

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3 0000	4.0000
X/LOMS				
.000			.0053	
054		0026	.0021	
.150	.0019	.0024	.0023	.0025
.342	.0011	.0014	.0027	.0038
.727	.0022	.0030	.0033	.0034
.823	.0032			
.881		.0029		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC18)

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0045	
.054		.0023	.0029	
.150	.0033	.0023	.0022	.0051
.342	.0040	.0022	.0022	.0052
.727	.0060	.0033	.0020	.0060
.823	.0053			
.881		.0062		

ARC 3.5-198 OH38 140C ORB OMS PODS . (REZC19) (23.SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0086	
.054		.0433	.0774	
150	.0024	.0647	.0387	-.0041
342	.0007	.0328	.0108	-.0019
.727	-.0029	.0078	-.0023	-.0032
.823	-.0038			
.881		.0025		

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0023	
.054		.0248	.0100	
.150	-.0008	.0402	.0128	-.0021
.342	-.0044	.0202	.0013	-.0017
.727	-.0029	.0006	-.0040	-.0015
.823	-.0031			
.881		-.0006		

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0005	
.054		0003	.0038	
150	-.0028	.0027	.0015	-.0006
342	-.0026	0013	-.0020	-.0022
727	-.0011	-.0002	-.0032	-.0015
823	.0001			
.881		.0001		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0011	
.054		-.0023	-.0004	
.150	-.0021	-.0014	-.0036	-.0040
.342	-.0022	-.0020	-.0012	-.0025
.727	-.0021	-.0010	.0016	-.0019
823	-.0014			
.881		.0008		

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0002	
.054		-.0001	-.0015	
150	-.0014	-.0008	-.0004	-.0021
342	-.0008	-.0004	.0008	-.0018
.727	-.0004	.0051	.0038	-.0015
.823	.0001			
.881		.0034		

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0027	
.054		.0004	.0015	
.150	-.0023	-.0009	.0002	- 0058
.342	-.0058	.0011	.0032	-.0065
.727	-.0061	.0061	.0047	-.0057
.823	-.0060			
.881		-.0038		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0025	
.054		.0289	.0596	
.150	-.0063	.0513	.0299	-.0080
.342	-.0069	.0244	.0029	-.0072
.727	- 0084	.0016	-.0074	-.0068
.823	-.0059			
.881		- 0045		

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0015	
.054		.0180	.0009	
.150	-.0063	.0335	.0048	-.0065
.342	- 0075	.0149	-.0037	-.0067
.727	-.0068	-.0028	-.0062	-.0056
.823	-.0045			
.881		-.0060		

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0026	
.054		0044	.0072	
.150	.0007	.0073	.0051	.0016
.342	-.0001	.0046	.0001	.0015
.727	.0007	.0017	-.0012	.0019
823	.0014			
.881		.0031		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1 8421

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0026	
.054		.0005	.0021	
150	.0033	.0020	.0005	.0030
.342	.0028	.0018	.0010	.0037
.727	.0030	.0017	.0034	.0034
.823	.0036			
.881		.0030		

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0029	
.054		.0017	.0020	
.150	.0018	.0014	.0030	.0043
.342	.0017	.0030	.0032	.0043
727	.0032	.0075	.0063	.0052
.823	.0041			
.881		.0046		

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0041	
.054		.0035	.0030	
.150	.0060	.0029	.0021	.0066
.342	.0060	0045	.0060	.0059
.727	.0064	.0096	.0079	.0071
.823	.0066			
.881		.0056		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0083	
.054		.0905	.1410	
.150	.0031	.1156	.0504	-.0064
.342	.0042	.0387	.0135	-.0057
.727	-.0031	.0087	-.0016	-.0056
.823	-.0031			
.881		.0023		

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0000	
.054		.0000	.0000	
.150	.0000	.0000	.0000	.0000
.342	.0000	.0000	.0000	.0000
.727	.0000	.0000	.0000	.0000
.823	.0000			
.881		0000		

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0116	
.054		-.0098	- 0044	
.150	-.0151	-.0058	-.0008	-.0145
342	-.0151	-.0112	-.0103	-.0142
.727	- 0151	-.0142	-.0168	-.0143
.823	-.0146			
.881		-.0128		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC30)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0008	
054		-.0010	-.0029	
.150	.0006	-.0018	-.0036	.0020
.342	.0011	-.0011	-.0013	.0012
.727	.0012	.0003	.0009	.0022
.823	.0009			
881		.0060		

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0002	
054		.0002	-.0012	
.150	.0066	-.0006	-.0021	.0007
342	.0002	.0014	-.0011	.0009
727	-.0002	.0028	.0042	.0010
.823	-.0003			
.881		.0070		

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			-.0074	
054		-.0096	-.0094	
.150	-.0093	-.0096	-.0116	-.0074
.342	-.0096	-.0103	-.0102	-.0072
.727	-.0083	-.0093	-.0066	-.0079
823	-.0080			
.881		.0038		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC31) (05 AUG 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	15.667	RN/L =	6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0074	
.054		.2589	.1303	
.150	.0125	.0913	.0328	-.0207
.342	-.0072	.0147	- 0003	-.0170
.727	-.0153	-.0061	-.0159	-,0166
.823	-.0191			
.881		-.0103		

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0077	
.054		-.0163	-.0071	
.150	-.0188	-.0038	-.0061	-.0193
.342	-.0191	-.0099	-.0156	-.0191
.727	-.0190	-.0154	-.0194	-.0192
823	-.0193			
.881		-.0163		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC32) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39 717 SPOBRK = .000
BDFLAP = .000 RN/L = 3 000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			0167	
.054		.3502	.0108	
.150	-.0133	.1184	.0342	-.0118
.342	-.0121	.0517	.0016	-.0113
.727	-.0187	.0053	-.0136	-.0103
.823	-.0198			
.881		-.0074		

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			- 0051	
054		.0271	.1192	
.150	-.0164	.0613	.0348	-.0157
.342	-.0181	.0080	.0009	-.0152
.727	-.0138	-.0110	-.0144	- 0149
.823	-.0168			
.881		-.0123		

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0024	
.054		-.0144	-.0112	
150	-.0131	-.0137	- 0137	-.0133
342	-.0140	-.0053	- 0145	-.0136
727	-.0135	-.0123	-.0180	-.0091
.823	-.0148			
.881		-.0137		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC32)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0108	
.054		-.0107	-.0120	
.150	-.0146	-.0118	-.0138	-.0139
.342	-.0140	-.0140	-.0162	-.0155
.727	-.0125	-.0147	-.0170	-.0176
.823	-.0149			
.881		-.0157		

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0115	
.054		-.0133	-.0145	
.150	-.0162	-.0129	-.0146	- 0099
342	-.0158	-.0135	-.0141	-.0177
.727	- 0159	- 0167	-.0158	-.0180
823	-.0100			
.881		-.0162		

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0106	
.054		- 0136	-.0137	
.150	-.0141	-.0137	-.0134	-.0147
.342	- 0136	- 0138	-.0139	-.0157
.727	- 0099	-.0108	-.0137	-.0153
.823	-.0068			
.881		-.0149		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC32)

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0119	
.054		-.0127	-.0133	
.150	-.0130	-.0132	-.0117	-.0127
.342	-.0122	-.0115	-.0122	-.0128
.727	-.0059	-.0101	-.0122	-.0124
.823	.0018			
.881		-.0134		

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0111	
.054		-.0114	.0000	
.150	-.0150	-.0128	-.0125	-.0131
.342	-.0143	-.0094	-.0105	.0000
.727	.0103	-.0065	-.0066	.0000
.823	.0157			
.881		-.0140		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZL33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290 3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			- 0057	
.054		.3097	.1468	
.150	-.0138	.1171	.0384	- 0167
.342	-.0157	.0279	.0033	-.0167
.727	-.0108	-.0052	-.0136	-.0166
.823	-.0173			
.631		-.0063		

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0025	
.054		-.0112	-.0076	
.150	-.0127	-.0083	-.0090	-.0141
342	-.0128	-.0114	-.0132	-.0149
727	-.0125	- 0124	-.0173	-.0177
823	-.0135			
881		-.0109		

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0115	
.054		-.0139	-.0138	
.150	- 0139	-.0131	-.0140	-.0191
.342	-.0137	-.0131	-.0135	-.0193
.727	-.0105	-.0143	-.0154	-.0192
823	-.0110			
.881		-.0153		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC33)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			-.0113	
.054		-.0146	-.0137	
.150	-.0169	-.0139	-.0134	-.0069
.342	-.0144	-.0147	-.0145	-.0141
.727	-.0147	-.0140	-.0163	-.0163
.823	-.0066			
.881		-.0169		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0000	
.054		.7418	.0135	
.150	.0000	.5641	.0349	.0015
.342	.0310	.3513	.0116	.0026
.727	.0018	.2920	.1994	.0002
.823	-.0005			
.881		.0000		

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0056	
.054		.0883	.1260	
.150	-.0098	.1044	.0345	-.0177
.342	- 0144	.0215	.0001	-.0174
.727	-.0174	-.0054	- 0141	-.0169
.823	-.0186			
881		-.0123		

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0033	
.054		.0050	.0062	
.150	-.0138	.0276	.0161	-.0114
.342	-.0133	.0011	-.0035	-.0110
727	-.0124	-.0103	-.0127	-.0103
823	-.0119			
.881		-.0120		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC34)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0127	
.054		-.0165	-.0127	
.150	-.0165	-.0097	-.0132	-.0166
.342	-.0168	-.0073	-.0161	-.0160
.727	-.0163	-.0152	-.0184	-.0167
.823	-.0160			
.881		-.0146		

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			-.0074	
054		- 0114	-.0076	
.150	-.0126	-.0108	-.0072	-.0118
.342	-.0121	-.0113	-.0108	-.0123
.727	-.0121	-.0106	-.0125	-.0121
.823	-.0132			
.881		-.0119		

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2 0000	3.0000	4.0000
X/LOMS				
.000			-.0114	
.054		-.0148	-.0151	
.150	-.0151	-.0145	-.0148	-.0140
342	-.0150	-.0126	-.0128	-.0139
.727	-.0142	-.0138	-.0125	-.0143
.823	-.0145			
.881		-.0149		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC34)

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0077	
.054		-.0081	-.0103	
.150	-.0082	-.0084	-.0105	-.0063
.342	-.0079	-.0081	-.0088	-.0061
.727	-.0057	-.0057	-.0045	-.0059
.823	-.0050			
.881		-.0069		

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0022	
.054		.0019	.0003	
150	.0000	-.0039	-.0048	.0050
.342	-.0047	0010	-.0039	.0027
.727	-.0023	.0042	.0032	-.0008
.823	.0022			
.881		.0000		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC35) (05 AUG 7[illegible])

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 000
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0040	
.054		.1207	.1336	
.150	-.0086	.1042	.0367	-.0172
.342	-.0145	.0213	-.0001	-.0171
.727	-.0160	-.0049	-.0146	-.0171
823	-.0167			
.881		-.0122		

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			-.0032	
.054		.0593	.0782	
150	-.0158	.0402	.0274	-.0167
.342	-.0181	.0184	-.0059	-.0175
.727	-.0175	-.0114	-.0160	-.0187
.823	-.0177			
.881		- 0156		

ALPHA (3) = 29 509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0144	
.054		-.0184	-.0154	
.150	-.0204	-.0071	-.0172	-.0191
.342	-.0197	-.0159	-.0169	-.0190
.727	-.0200	-.0184	-.0191	-.0183
.823	-.0191			
.881		-.0200		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC35)

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0143	
.054		-.0170	-.0171	
.150	-.0192	-.0183	-.0148	-.0189
.342	-.0190	-.0183	-.0172	-.0190
.727	-.0179	-.0181	-.0172	-.0184
.823	-.0160			
.881		-.0168		

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0148	
.054		-.0191	-.0184	
.150	-.0171	-.0170	-.0182	-.0186
.342	-.0178	-.0173	-.0178	-.0191
.727	-.0164	-.0176	-.0161	-.0190
.823	-.0165			
.881		-.0153		

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0117	
.054		-.0146	-.0161	
.150	-.0171	-.0137	-.0142	-.0169
.342	-.0169	-.0149	-.0123	-.0176
.727	-.0169	-.0125	-.0119	-.0166
.823	-.0169			
.881		-.0168		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0116	
.054		.2894	.0106	
.150	.0342	.1046	.0308	-.0240
.342	.0196	.0356	.0007	- 0202
.727	-.0228	.0025	-.0150	-.0294
.823	-.0213			
.881		-.0246		

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0047	
.054		.0183	.0187	
.150	-.0181	.0548	.0185	-.0182
.342	-.0192	.0146	-.0079	-.0185
.727	-.0184	-.0107	-.0175	-.0191
.823	-.0196			
.881		-.0166		

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0076	
.054		-.0112	-.0093	
.150	-.0106	-.0007	-.0085	-.0088
.342	-.0114	-.0088	-.0104	-.0079
.727	-.0094	-.0092	-.0128	-.0081
.823	-.0092			
.881		-.0054		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC36)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0141	
.054		-.0141	-.0165	
.150	-.0287	-.0140	-.0173	-.0273
.342	-.0324	-.0144	-.0151	-.0313
.727	-.0318	-.0111	-.0089	-.0293
.823	-.0318			
.881		-.0296		

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0031	
.054		-.0053	-.0030	
.150	-.0063	-.0060	-.0083	-.0048
.342	-.0074	-.0054	-.0060	-.0054
.727	- 0045	-.0005	-.0019	-.0052
.823	-.0047			
.881		-.0034		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6 500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			.0008	
.054		.2863	.0825	
.150	.0773	.1002	.0301	-.0103
.342	.0260	.0325	-.0019	-.0115
.727	-.0028	-.0006	-.0137	-.0122
.823	-.0173			
.881		-.0064		

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0068	
.054		.2581	.1935	
.150	-.0006	.0852	.0333	-.0201
.342	-.0003	.0119	-.0002	-.0175
727	-.0072	-.0073	-.0158	-.0183
.823	-.0073			
.881		- 0132		

ARC 3.5-198 OH38 140C ORB OMS PODS (REZC38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1 0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0078	
.054		.2473	.1264	
.150	-.0048	.0726	.0296	-.0201
.342	-.0114	.0108	-.0022	-.0180
.727	-.0176	-.0075	-.0164	-.0183
.823	-.0194			
.881		-.0112		

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0035	
.054		.0183	.0661	
150	-.0180	.0297	.0149	-.0198
.342	-.0211	-.0002	-.0100	-.0195
.727	-.0167	-.0138	-.0192	-.0194
.823	-.0194			
.881		-.0134		

ARC 3.5-198 OH38 140C ORB OMS PODS (XEZC03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3 0000	4.0000
X/LOMS				
.000			-.0027	
.054		0854	.1345	
.150	-.0051	.1016	.0362	-.0146
.342	-.0141	.0235	.0003	-.0150
.727	-.0181	-.0047	-.0145	-.0163
.823	-.0165			
.881		-.0037		

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0017	
.054		.0009	.0138	
150	-.0181	.0304	.0180	-.0120
.342	-.0161	-.0034	-.0068	-.0181
.727	-.0135	- 0132	-.0183	-.0180
.823	-.0126			
.881		-.0143		

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0119	
.054		-.0167	-.0129	
150	-.0171	-.0007	-.0143	-.0088
.342	-.0165	-.0138	-.0158	-.0093
.727	-.0090	-.0142	-.0187	-.0180
.823	-.0092			
.881		-.0142		

ARC 3.5-198 OH38 140C ORB OMS PODS (XEZC03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0128	
.054		-.0156	-.0169	
.150	-.0155	-.0155	-.0159	-.0128
.342	-.0164	-.0157	-.0159	-.0189
.727	-.0147	-.0133	-.0142	-.0160
.823	-.0122			
.881		-.0134		

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0140	
.054		-.0152	-.0165	
.150	-.0151	-.0147	-.0167	-.0126
342	-.0146	-.0142	-.0135	-.0183
727	-.0139	-.0116	-.0110	-.0173
.823	-.0123			
.881		-.0118		

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0136	
.054		-.0144	-.0155	
.150	-.0163	-.0140	-.0154	-.0138
.342	-.0153	-.0133	-.0129	-.0143
.727	-.0147	-.0116	-.0104	-.0136
.823	-.0147			
.881		-.0148		

ARC 3.5-198 OH38 140C ORB OMS PODS (XEZC03)

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0042	
.054		-.0087	-.0071	
.150	-.0112	.0000	-.0122	.0000
.342	-.0101	-.0087	-.0087	-.0103
.727	-.0106	-.0050	-.0047	-.0092
.823	-.0101			
.881		-.0053		

ARC 3.5-198 OH38 140C ORB OMS PODS (XEZC04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0070	
.054		.2425	.1437	
.150	.0086	.0876	.0332	-.0167
.342	.0054	.0134	.0006	-.0170
.727	-.0106	0469	-.0143	-.0185
.823	-.0189			
.881		-.0085		

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0033	
.054		.0572	.0717	
.150	-.0183	.0469	.0198	-.0151
.342	-.0185	.0075	-.0084	-.0151
.727	-.0167	-.0123	-.0186	-.0148
.823	-.0188			
.881		-.0133		

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0075	
.054		-.0167	-.0073	
.150	-.0155	-.0062	-.0057	-.0176
342	-.0181	-.0115	-.0152	-.0173
.727	-.0175	-.0166	-.0194	-.0173
.823	-.0176			
.881		-.0159		

ARC 3.5-198 OH38 140C ORB OMS PODS (XEZC04)

ALPHA (4) = 34.6888 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1)OMS PODSS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.00000	3.0000	4.0000
X/LOMS				
.000			-.0123	
.054		-.00164	-.0140	
.150	-.0155	-.00160	-.0150	-.0151
.342	-.0153	-.00161	-.0174	-.0178
.727	-.0161	-.00157	-.0161	-.0170
.823	-.0151			
.881		-.00152		

ALPHA (5) = 39.8400 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1)OMS PODSS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.00000	3.0000	4.0000
X/LOMS				
.000			-.0114	
.054		-.00146	-.0150	
.150	-.0117	-.00146	-.0143	-.0153
.342	-.0142	-.00133	-.0130	-.0153
.727	-.0104	-.00105	-.0118	-.0140
.823	-.0102			
.881		-.00125		

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1)OMS PODSS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.00000	3.0000	4.0000
X/LOMS				
.000			-.0123	
.054		-.00141	-.0144	
.150	-.0148	-.00145	-.0134	-.0148
.342	-.0149	-.00133	-.0129	-.0144
.727	-.0144	-.00133	-.0132	-.0145
.823	-.0146			
.881		-.00149		

ARC 3.5-198 OH38 140C ORB OMS PODS (XEZC05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = .000 RN/L = 3.000

ALFHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0051	
.054		.0855	.1281	
.150	-.0086	.1054	.0361	-.0163
.342	-.0130	.0244	.0007	-.0158
.727	-.0156	-.0037	-.0138	-.0159
.823	-.0174			
.881		-.0108		

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0086	
.054		-.0148	-.0057	
.150	-.0167	-.0121	-.0058	-.0167
.342	-.0170	-.0029	-.0147	-.0157
.727	-.0168	-.0150	-.0180	-.0153
823	-.0163			
.881		-.0132		

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			-.0140	
.054		-.0162	-.0160	
.150	-.0139	-.0147	-.0181	-.0136
.342	-.0143	-.0154	-.0152	-.0137
.727	-.0138	-.0140	-.0124	-.0129
.823	-.0137			
.881		-.0084		

ARC 3.5-198 OH38 140C ORB OMS PODS (XEZC05)

ALPHA (4) = ' 39 911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0118	
.054		-.0139	-.0153	
150	-.0135	-.0143	-.0146	-.0128
.342	-.0140	-.0126	-.0142	-.0125
.727	-.0110	-.0123	-.0107	-.0128
.823	-.0134			
.881		-.0029		

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0138	
.054		-.0134	-.0160	
.150	-.0098	-.0131	-.0151	-.0099
342	-.0121	- 0127	-.0134	-.0098
.727	-.0106	-.0098	-.0094	-.0097
.823	-.0060			
.881		-.0025		

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0081	
.054		-.0103	-.0101	
.150	-.0127	-.0101	-.0122	-.0088
.342	-.0134	-.0080	-.0096	-.0098
.727	-.0105	-.0057	- 0032	-.0086
823	- 0093			
.881		.0073		

ARC 3.5-198 OH38 140C ORB OMS PODS (XEZC06) (04 OCT 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = 28000 CPSTAG = 1.8300

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0082	
.054		.2364	.1183	
.150	-.0050	.0695	.0289	-.0195
.342	-.0126	.0107	-.0025	-.0192
.727	-.0185	-.0074	-.0165	-.0191
.823	-.0195			
.881		-.0112		

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0032	
.054		-.0076	.0217	
.150	-.0159	.0000	.0113	-.0110
.342	-.0154	-.0072	- 0082	-.0149
.727	-.0143	-.0123	-.0167	-.0166
.823	-.0140			
.881		-.0105		

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.00C0	3.0000	4.0000
X/LOMS				
.000			-.0087	
.054		-.0185	-.0118	
.150	-.0192	-.0121	-.0110	-.0188
.342	-.0193	-.0136	-.0174	-.0181
.727	-.0193	-.0174	-.0195	-.0179
.823	-.0192			
.881		-.0191		

ARC 3.5-198 OH38 140C ORB OMS PODS (XEZC06)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0111	
.054		-.0143	-.0125	
.150	-.0136	-.0144	-.0144	-.0186
.342	-.0147	-.0140	-.0157	-.0178
.727	-.0116	-.0127	-.0149	-.0171
.823	-.0129			
.881		-.0070		

ARC 3.5-198 OH38 140C ORB OMS PODS (XEZC11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9 100 SPDBRK = .000
BDFLAP = 000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1 0000	2.0000	3.0000	4.0000
X/LOMS				
000			.0000	
.054		.0000	.0000	
.150	.0705	.0000	.0000	-.0066
.342	.0264	.0000	.0000	-.0057
.727	-.0039	.0000	.0000	-.0061
.823	-.0186			
.881		-.0072		

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2 0000	3.0000	4.0000
X/LOMS				
000			-.0048	
.054		.0965	.1314	
.150	-.0099	.1064	.0361	-.0167
.342	-.0138	.0227	.0016	-.0167
.727	-.0163	-.0039	-.0146	-.0158
.823	-.0174			
.881		-.0111		

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0051	
054		.0462	.0422	
.150	-.0151	.0393	.0271	-.0163
.342	-.0160	.0163	-.0075	-.0158
.727	-.0181	-.0123	-.0192	-.0171
.823	- 0206			
.881		-.0151		

ARC 3.5-198 0H38 140C ORB OMS PODS (XEZC11)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			- 0120	
.054		-.0159	-.0108	
.150	-.0156	-.0074	- 0121	-.0155
.342	-.0158	-.0065	-.0144	-.0148
.727	-.0153	-.0145	-.0182	-.0152
.823	-.0160			
881		-.0121		

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			-.0103	
054		-.0149	-.0130	
150	-.0129	-.0147	-.0153	-.0121
.342	-.0142	-.0147	-.0148	-.0107
.727	-.0125	-.0128	-.0135	-.0134
.823	-.0113			
.881		-.0085		

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			-.0120	
.054		-.0138	-.0147	
.150	-.0063	-.0131	-.0156	-.0169
.342	-.0136	-.0133	-.0141	-.0164
727	-.0134	-.0119	-.0106	-.0159
.823	-.0129			
.881		-.0064		

ARC 3.5-198 OH38 140C ORB OMS PODS (XEZC11)

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0115	
.054		-.0106	-.0128	
.150	-.0097	-.0105	-.0121	-.0088
.342	-.0105	-.0100	-.0109	-.0078
.727	-.0098	-.0096	-.0086	-.0068
.823	-.0078			
.881		-.0054		

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			-.0044	
.054		-.0096	-.0057	
.150	-.0088	-.0079	-.0091	-.0066
.342	-.0084	-.0070	-.0085	-.0066
.727	-.0071	-.0058	-.0057	-.0071
.823	-.0060			
881		-.0071		

ARC 3.5-198 OH38 140C ORB OMS PODS (YEZC03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
000			-.0056	
.054		.0609	.1302	
.150	-.0111	.0811	.0336	-.0199
.342	-.0154	.0188	-.0023	-.0145
.727	-.0169	-.0081	-.0167	-.0143
.823	-.0170			
881		-.0126		

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0127	
.054		-.0180	-.0118	
.150	-.0170	-.0112	-.0125	-.0168
342	-.0183	-.0073	-.0160	-.0160
727	-.0175	-.0171	-.0190	-.0161
.823	-.0173			
881		-.0112		

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0152	
.054		-.0174	-.0163	
.150	-.0160	-.0183	-.0140	-.0169
.342	-.0169	-.0180	-.0176	-.0162
.727	-.0164	-.0178	-.0188	-.0167
.823	-.0126			
.881		-.0143		

ARC 3.5-198 OH38 140C ORB OMS PODS (YEZC03)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0129	
.054		-.0172	-.0164	
.150	-.0161	-.0170	-.0176	-.0141
.342	-.0166	-.0161	-.0160	-.0142
.727	-.0151	-.0148	-.0127	-.0151
.823	-.0149			
.881		-.0027		

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			- 0156	
.054		-.0164	-.0168	
.150	-.0153	-.0156	-.0163	-.0157
.342	-.0147	-.0155	-.0154	-.0159
.727	-.0127	-.0137	- 0123	-.0160
.823	-.0125			
.881		- 0131		

ARC 3.5-193 OH38 140C ORB OMS PODS (YEZC04) (05 AUG 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	.117
ELEV-R =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3.0000	4.0000
X/LOMS				
.000			-.0106	
.054		-.0153	-.0122	
.150	-.0169	-.0094	-.0105	-.0157
.342	-.0179	-.0129	-.0157	-.0182
727	-.0169	-.0145	- 0188	-.0195
.823	-.0'64			
.881		-.0080		

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1)OMS PODS DEPENDENT VARIABLE CP

ROW NO	1.0000	2.0000	3 0000	4.0000
X/LOMS				
.000			-.0126	
.054		-.0148	-.0155	
150	-.0159	-.0151	-.0151	-.0144
.342	-.0163	-.0138	-.0134	-.0190
727	-.0145	-.0073	-.0141	-.0176
.823	-.0147			
.881		-.0049		

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3 000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0333	.2281	1.7991	.8370	.7945
2.000	.1556	.3241	1.2327	.8767	.8412
3.000	.2316	.3686	1.3193	.6015	.5890
4.000	.2412	.3417	9843	.5535	.5464
5.000	.2546	.3783	.7444	.4404	.5311
6.000	.2778	.6086	.6734	.9099	.5056

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0138	.1849	1.3167	.9103	.5109
2.000	.2306	.4460	1.5755	1 0789	1.0530
3.000	.4547	6600	1.4854	1.4554	.9350
4.000	.5068	7779	1.2653	.9930	.9284
5.000	.5573	.8110	1.0156	1.2180	.8981
6 000	.6027	.7367	.9439	7000	.8559

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1 000	0000	.0000	.9763	.9901	.3444
2 000	.2949	.3333	.0000	.0000	1.1044
3.000	.4272	.6539	.0000	.0000	.0000
4 000	.5240	.5496	.0000	.0000	1.1040
5 000	.5528	.7125	0000	.0000	1.0794
6 000	.6046	.7398	.0000	.0000	1.0574

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD01)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0234	.1636	.6919	.6935	.2104
2.000	6846	.6612	1.4722	1.6120	1.0562
3.000	.8328	1.0487	1.5843	1.6871	1.3748
4.000	.8987	.9251	1.4792	1.6053	1.2026
5.000	1.0075	1.1271	1.3561	1.5515	1.2119
6 000	1 0678	1.1875	1.4041	.8565	1.1950

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD02) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0034	.1861	.0000	.8195	.7634
2.000	.1680	.3402	1.3792	.9110	.8126
3.000	.2275	.3803	1.4225	.6451	.6260
4.000	.2626	.3092	1.0660	.6116	.5230
5.000	.2705	.3790	.7716	.4733	.0000
6.000	.2861	.3818	.7093	.4324	.0000

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0113	.1364	.0000	.0000	.4698
2.000	.2565	.3642	1.6130	1.2404	1.0414
3.000	.3982	.6122	1.5087	1.6577	1.0224
4.000	.4652	.5074	1 3200	1.2037	.0000
5 000	.4983	.6588	1.0690	1.3244	.9048
6 000	5438	.6606	1 0107	1.1764	.8778

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0249	.1264	.6562	.6637	.1834
2.000	.4269	.2876	1.4071	1.4897	1.0600
3.000	.5956	8464	1.4499	1.5515	1.2736
4.000	.6982	.7038	1.4200	1.5713	.0000
5.000	.6319	.9377	1.3105	1.4897	.0000
6.000	.7187	.8573	1 2665	1.4412	.0000

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0348	.1648	1.7614	.8498	.7435
2.000	.1933	.3757	1.4122	.9240	.8232
3.000	.2501	4137	1.2890	.6829	.6509
4.000	.2859	.3504	1.0043	.6311	.5520
5.000	.2991	.4176	.7939	.5104	.5371
6.000	.3106	.4263	.7584	.6739	.5050

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0385	.1477	1.5301	.7134	.6202
2.000	.2480	.3835	1.6995	.8978	.9576
3.000	.3316	.5174	1.3997	.8531	.8599
4.000	.3854	.4469	1.2094	.7432	.7658
5.000	.4093	.5396	.9559	.7823	.7363
6 000	.4346	.5534	.9115	.6776	.7015

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	8500
POSN					
1.000	.0512	.1375	1.2780	1.0703	.4852
2.000	.2996	.4004	1.6459	1.1711	1.0660
3.000	.4124	.6260	1.4362	1.6593	1.0428
4.000	.4860	.5627	1.2982	1.0973	.9597
5.000	.5240	.6727	1.0834	1.3405	.9290
6.000	.5599	.6926	1.0484	.6678	.8897

ARC 3.5-198 0H38 140C ORB WING CLUSTERS (REZD03)

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0554	.1359	.9555	.9917	.3242
2.000	.3537	.4066	1.4659	1.6897	1.0916
3 000	.4878	.7314	1.4207	1.6187	1.1778
4.000	.5774	.6579	1.3173	1.5154	1.1306
5 000	.6351	.8004	1.1674	1.3763	1.1038
6.000	.6782	.8237	1.1376	.6459	1.0585

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0697	.1360	.7085	.7229	.2190
2.000	.4042	.4143	1.3486	1.4421	1.0656
3.000	.5647	.8260	1.3708	1.5255	1 2283
4.000	.6731	.7500	1.3363	1.4774	1 2327
5.000	.7368	.9116	1.2335	1.4074	1 2351
6.000	.8054	.9436	1.2224	.6168	1.2024

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD04) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0131	.1604	.0000	.8160	.7187
2.000	.1790	.3556	1.3445	.8975	.8058
3.000	.2387	.3953	1.2994	.6539	.6310
4.000	.2755	.3624	1.0315	.6115	.5356
5.000	.2904	.4023	.7923	.4834	.5227
6.000	.3023	.4121	.7657	.4112	.4905

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0170	.1206	1.5269	.7063	.5776
2.000	.2361	.3646	1.6920	.8753	.9706
3.000	.3262	.5132	1.4247	.8502	.8628
4.000	.3879	.4544	1.2266	.7486	.7715
5.000	.4155	.5634	.9637	.7967	.7434
6.000	.4365	.5554	.9023	.4770	.7058

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0255	.1156	1.2212	1.2149	.4317
2.000	.2840	.3647	1.5955	1.2671	1.0453
3.000	.3964	.6102	1.4745	1.6444	1.0201
4.000	.4620	.5377	1.2837	1.2446	.9612
5.000	.4955	.6792	1.0506	1.3141	.9242
6.000	.5442	.6789	1.0044	.4601	.8858

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD04)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0174	.1184	.9130	.9391	.2726
2.000	.2886	.3199	1.3838	1.5820	.0000
3.000	.4336	.6743	1.3671	1.5083	1.0950
4.000	.5243	.5843	1.2866	1.4498	.0000
5.000	.5755	.7532	1.1035	1.3236	.0000
6.000	.6437	.7526	1.0633	.1862	1.0459

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0235	.1336	.6593	.6683	.1806
2.000	.3736	.3703	1.3264	1.4024	1.0321
3.000	.5451	.8176	1.3730	1.4799	1.1925
4.000	.6465	.7616	1.3630	1.4834	.0000
5.000	.7118	.9104	1.2257	1.4135	.0000
6.000	.7988	.9179	1.1982	.3470	.0000

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0681	.1442	1.2434	1.2101	.4804
2.000	.3262	.4224	1.6022	1.2774	1.0568
3.000	.4397	.6520	1.4459	1.6941	1.0624
4.000	.5101	.6515	1.3231	1.2387	.9641
5.000	.5540	.7004	1.0936	1.3655	.9313
6.000	.5904	.7227	1 0625	.9526	8891

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	8500
POSN					
1.000	.0636	.1440	1.6453	.7731	.7274
2 000	.2054	.3737	1.5783	.9166	.8284
3 000	.2589	.4170	1.2447	.6479	.6716
4.000	.2952	.4040	.9888	.6055	5618
5 000	3106	.4257	.7907	.5388	.5482
6.000	.3243	.4347	.7326	.8412	5229

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1 000	.0836	.1439	.7464	.7666	.2282
2.000	.4005	.4171	1.3888	1.4954	1.0661
3.000	.5679	.8258	1.4104	1.5646	1.2284
4 000	.6760	.7702	1.3032	1.5344	1.2287
5.000	.7432	.9155	1.2650	1.4571	1.2188
6.000	8042	.9530	1.2469	1.0830	1.1935

ARC 3.5-198 0H38 140C ORB WING CLUSTERS (REZD06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	8500
POSN					
1 000	.0262	.1218	1.6842	.8356	.7109
2.000	.1870	.3657	1.3520	.9214	.7985
3.000	.2450	.4044	1.3564	.6870	.6499
4.000	.2871	.3997	1.0498	.6304	5343
5.000	.2975	.4147	.8243	.5124	.5232
6.000	.3109	.4258	.7725	.5208	.4948

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0154	.0855	1.3370	1.1122	.4192
2.000	.2359	.3232	1.5743	1.1144	1.0156
3.000	.3482	.5535	1.4595	1.6508	.9874
4.000	.4214	.5438	1.2590	1.0647	.9277
5 000	.4581	.6150	1.0144	1.3067	.8828
6.000	.4972	.6282	.9726	.4600	.8491

ALPHA (3) = 40.016 MACH (1) = 7 320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	4000	.5500	.6000	.8500
POSN					
1.000	.0430	.0927	.6770	.6580	.1763
2.000	.3316	.3356	1.2727	1.3583	1.0130
3.000	.5052	.7687	1.3427	1.4963	1.1731
4.000	.6193	.7443	1.3026	1.4346	1.2147
5.000	.6890	.8644	1.2061	1.4009	1.1982
6.000	.7534	.8943	1.1820	.1649	1.1798

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0741	.1509	1.5490	.6499	.5599
2.000	.2165	.3926	1.5788	.9472	.6463
3.000	.2738	.4356	1.4119	.6855	.6918
4.000	.3120	.3284	1 0745	.6276	.4463
5.000	.3231	.4429	.8195	.5450	.4359
6.000	.3402	.4458	.7590	.8336	.4197

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0789	.1316	1.0836	.9453	.3648
2.000	.3186	.4170	1.6402	1.2339	8468
3.000	.4310	.6473	1.5870	1.7194	1.0726
4.000	.5067	.5289	1.3373	1.1663	.7666
5 000	.5408	.6936	1.1162	1 3774	.7545
6 000	.5824	.7053	1.0517	.8788	.7243

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0978	.1384	.6258	.6105	.1832
2.000	.4149	.4332	1.4094	1.4992	.8620
3.000	.5877	.8487	1.4880	1.5893	1.2579
4.000	.7002	.7427	1.3966	1.5441	1.0337
5.000	.7626	.9415	1.2849	1.4589	1.0384
6.000	.8325	.9696	1.2625	.9573	1.0289

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD08) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19 783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0087	.0751	1.6722	.7894	.6587
2.000	.1759	.3604	1.1845	.8960	.7548
3.000	.2367	.3993	1.4508	.6817	.6318
4 000	.2774	.3425	1.0279	.6184	.4994
5.000	.2892	.4060	.8170	.4852	.4963
6.000	.3045	.4131	.7543	.3988	.4617

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0325	.0828	1.2661	1.1209	.3995
2.000	.2845	.3758	1.6275	1.2472	.9732
3.000	.4042	.6191	1.5900	1.6898	1.0515
4.000	.4803	.5599	1.3082	1.1825	.9070
5.000	.5229	.6761	1.0920	1.3503	.8632
6.000	.5721	.6991	1.0417	.5054	.8313

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	0505	.0963	.6816	.6628	.1775
2.000	.3574	.3666	1.3043	1.3960	1.0117
3.000	.5354	.7963	1.3784	1.5030	1.2069
4.000	.6427	.7270	1.3296	1.4669	1.2289
5 000	.7154	.8982	1.2397	1.4292	1.2038
6.000	.7863	.9330	1.2111	.3675	1 1626

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0679	.1567	1.6445	.6841	.5765
2.000	.2192	.3996	1.4903	.9527	.6655
3.000	.2789	.4418	1.4250	.7028	.6985
4.000	.3155	.3436	1.0931	.6460	.4526
5.000	.3291	.4475	.8622	.5514	.4480
6.000	.3457	.4537	.7744	.9191	.4228

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0680	.1432	1.4246	.5623	.4723
2.000	.2716	.4135	1.7552	.9541	.7625
3.000	.3578	.5462	1.6259	.8822	.8978
4.000	.4150	.4468	1.2828	.7666	.6049
5.000	.4415	.5715	1.0261	.7938	.5927
6.000	.4675	.5850	.9517	1.0086	.5631

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0197	.0979	1.0024	.9069	.3090
2.000	.2721	.3662	1.5785	1.2131	.7744
3.000	.3859	.6030	1.5356	1.6792	1.0304
4.000	.4594	.4788	1.2900	1.1615	.7068
5.000	.4977	.6511	1.0604	1.3275	.6931
6.000	.5380	.6609	1.0011	.7340	.6577

ARC 3.5-198 0H38 140C ORB WING CLUSTERS (REZD09)

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8537 P = .12970 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0264	.0945	.7494	.7399	.2024
2.000	.3228	.3788	1.4603	1.6775	.8070
3 000	.4665	.7093	1.5072	1.6119	1.1620
4.000	.5598	.5918	1.3231	1.5185	.8525
5 000	.6105	.7817	1.1639	1.3655	.8429
6 000	.6665	.7981	1.1172	.7671	.8212

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0356	.0950	.5778	.5605	.1389
2.000	.3705	.3875	1.3695	1.4638	.8071
3 000	.5463	.8102	1.4529	1.5558	1.2186
4.000	.6597	.7032	1.3639	1.5124	.9813
5.000	.7265	.9024	1.2481	1.4278	.9916
6.000	.7944	.9312	1.2201	.8406	.9733

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD10) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0261	.0961	1.7423	.7863	.7008
2.000	.1807	.3442	1.6231	.9073	.8092
3.000	.2419	.3955	1.4589	.6221	.6449
4.000	.2831	.3391	1.0430	.5963	.5522
5.000	.2983	.4097	.8099	.5043	.5536
6.000	.3145	.4224	.7569	.4579	.5152

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	8500
POSN					
1.000	.0287	.1100	1.6911	.7331	.5915
2.000	.2340	.3617	1.7099	.8932	.9716
3.000	.3216	.5038	1.6181	.8752	.8636
4 000	.3822	.4403	1.2232	.7474	.7773
5.000	.4122	.5424	.9807	.8200	.7593
6.000	.4386	.5590	9228	.7152	.7095

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0418	.1025	1.2528	1.1456	3822
2.000	.2800	.3714	1.6234	1.3295	.9545
3.000	.3919	.6063	1.6833	1.6573	1.0347
4.000	.4756	.5773	1.2839	1.2421	.8806
5.000	.5126	.6635	1.0855	1.3370	.8656
6.000	.5547	.6838	1.0270	.3396	.8094

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS (REZD10)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0474	.0935	.9205	.9033	.2565
2.000	.3310	.3822	1.4839	1.6535	.9948
3.000	.4735	.7115	1.5879	1.5767	1.1891
4.000	.5747	.7313	1.3346	1.5071	1.0828
5.000	.6279	.7902	1.1772	1.3859	1.0530
6.000	.6844	.8128	1.1322	.5874	.9921

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0604	.0919	.6649	.6507	.1797
2.000	.3756	.3852	1.3356	1.3866	.9865
3.000	.5458	.8062	1.4187	1.5038	1.2270
4.000	.6659	.7466	1.3423	1.4796	1.2078
5.000	.7308	.9108	1.2535	1.4279	1.2149
6.000	.8033	.9361	1.2272	.3089	1.1637

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZDII) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPOBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0263	.0975	1.7933	.7561	.6991
2.000	.1798	.3483	1.6727	.8884	.8121
3.000	.2350	.3926	1.3511	.6264	.6501
4.000	.2712	.3501	1.0058	.5919	.5492
5.000	.2833	.4004	.7822	.5081	.5339
6.000	.2997	.4057	7076	.4659	.5085

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0292	.0879	1.2980	1.2315	.4583
2.000	.2810	.3800	1.6278	1.2599	1.0572
3.000	.3905	.6009	1 5069	1.6448	1.0238
4.000	.4861	.5594	1.2734	1.1794	.9492
5.000	.5019	.6511	1.0595	1.3149	.9296
6.000	.5431	.6662	.9957	1.1947	.8821

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0520	.0998	.7377	.7445	.2067
2 000	.3789	.4014	1.3843	1.4517	1.0570
3.000	.5456	.8101	1.4379	1.5342	1.2311
4.000	.6631	.6986	1.3544	1.4969	1.2473
5.000	.7288	.8969	1.2442	1.4192	1.2594
6.000	.7952	.9315	1.2156	1.3787	1.2048

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7 367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0295	.0975	1.8290	.7850	.7102
2.000	.1798	.3566	1.6147	.9043	.8149
3.000	.2352	.3964	1.4058	.6428	.6586
4.000	.2725	.3181	1.0147	.6010	.5447
5.000	.2857	.4059	.7883	.5021	.5368
6.000	.2997	.4085	.7096	.4557	5046

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0000	.0000	1.6774	.7087	.0000
2.000	.2303	.3727	.0000	.0000	.0000
3.000	.3159	.5057	.0000	.0000	.0000
4.000	.3733	.4231	.0000	.0000	.0000
5.000	.3980	.5332	.0000	.0000	.0000
6.000	.4237	.5417	.0000	.0000	.0000

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0207	.0870	1.3653	.9961	.4638
2.000	.2773	.3856	1.6928	1.1396	1.0748
3.000	.3890	.6045	1.5854	1.5765	1.0318
4.000	4689	.5278	1.3194	1.0785	.9423
5.000	.5028	.6529	1.0930	1.3264	.9231
6.000	.5414	.6713	1.0223	1.0477	.8728

ARC 3.5-198 0H38 140C ORB WING CLUSTERS (REZD12)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0809	.1313	1.0192	1.0126	.3232
2.000	.3614	.4212	1 5494	1.7170	1.1157
3.000	.5031	.7511	1.5321	1.6480	1.2074
4 000	.5998	.6747	1.3589	1.5593	1.1549
5.000	.6506	.8229	1.2044	1.4104	1.1364
6.000	7030	.8441	1.1528	1.3356	1.0917

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0878	.1463	.7698	.7626	.2192
2 000	.4073	.4293	1.4272	1.4975	1.0822
3 000	.5777	.8429	1.4877	1.5807	1.2561
4.000	.6950	.7570	1.3981	1.5599	1 2702
5.000	.7611	.9351	1.2860	1.4594	1.2663
6.000	.8253	.9666	1.2565	1.4151	1.2387

ARC 3.5-198 0H38 140C ORB WING CLUSTERS (REZD13) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPOBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0103	.0868	1 6802	.8233	6922
2.000	.1704	.3364	1.1972	9091	7956
3.000	.0000	.3951	1.5771	.6807	.6473
4.000	.2727	.3234	1.0698	.6500	.5473
5 000	.2893	.4107	.9091	.5049	.5450
6.000	.3022	.4161	.7583	.4569	5129

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0135	.0783	1.6929	.6882	.5641
2.000	.2172	.3529	1.7418	.8721	.9162
3 000	.0000	.4982	1.6792	.8402	.8457
4 000	.3681	.4327	1.2546	.7521	.7537
5 000	.3956	.5332	1.0563	.7792	.7391
6.000	.4156	.0000	.8921	.6827	.6929

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0141	.0693	1.3002	1.2178	.4010
2 000	.2761	.3597	1.6429	1.4549	1.0222
3 000	.3923	.6062	1.6545	1.6715	1.0369
4.000	.4746	.5130	1.2976	1.3814	.9737
5.000	.5130	.6717	1.1516	1.3514	.9543
6.000	.5514	.6858	1.0144	1.2318	.9031

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS (REZD13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.6302

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0176	.0757	.9849	.9523	.2624
2.000	.3160	.3685	1.4994	1.6483	1.0583
3.000	4597	.7077	1.5856	1.5952	1.1781
4.000	.5643	.6410	1.3386	1.5236	1.1605
5.000	.6212	.7872	1.2363	1.3915	1.1307
6.000	.6676	.8139	1.1313	1.3246	1.0631

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1 000	.0574	.0949	.7152	.6979	.1840
2 000	.3811	.3978	1.3853	1.4381	1.0442
3 000	.5545	.8289	1.5328	1.5394	1.2570
4.000	.6798	.7741	1.3771	1.5173	1.2864
5.000	.7491	.9310	1.2958	1.4554	1.2011
6.000	.8141	.9656	1.2510	1.4151	1.2364

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0135	.0704	1.8029	.7567	.6825
2.000	.1642	.3467	1.5871	.8716	.7807
3.000	.2213	.3816	1.3584	.6161	.6335
4.000	.2565	.2593	1.0035	.5747	.5252
5 000	.2691	.3883	.7831	4962	.5138
6.000	.2856	.3941	.6871	.4475	.4845

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0150	.0548	1.2825	1.1708	.4310
2.000	.2653	.3830	1.6287	1.2091	1.0388
3.000	.3745	.5884	1.5167	1.6523	1.0092
4.000	.4537	.4541	1.2814	1.1729	.9333
5.000	.4879	.6346	1.0734	1.3075	.9121
6.000	.5275	.6568	.9858	1.1483	.8672

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1 000	.0280	.0601	.7000	.7080	.1705
2.000	.3606	.4114	1.3678	1.4254	1.0363
3.000	.5266	.7919	1.4278	1.5225	1.1914
4 000	.6462	.6677	1.3323	1.4912	1.2127
5.000	.7124	.8936	1.2481	1.4096	1.2145
6.000	.7731	.9208	1.1961	1.3576	1.1827

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD15) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.3268

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0105	.0975	1.6814	.8375	.6968
2.000	.1725	.3700	.9119	.9336	.8027
3.000	.0000	.4005	1.3529	.7425	.6451
4.000	.2729	.3268	.8649	.6598	.5349
5.000	.2858	.4095	.9124	.5099	.5425
6.000	.2994	.4148	.7766	.4640	.5104

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0152	.0734	1.3799	1.0113	.4212
2.000	.2677	.3661	1.6811	1.1316	1.0289
3.000	.3808	.5979	1.6796	1.5930	1.0245
4.000	.4603	.5339	1.3320	1.0729	.9454
5.000	.4846	.6568	1.1209	1.3662	.9219
6.000	.5321	.6719	1.0137	1.0413	.8710

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	4000	.5500	.6000	.8500
POSN					
1.000	.0657	.1008	.7058	.7000	.1808
2.000	.3834	.4339	1.3959	1.4504	1.0403
3.000	.5554	.8247	1.5379	1.5480	1.2519
4.000	.6810	.7547	1.4023	1.5324	1.2740
5.000	.7518	.9326	1.3213	1.4789	1.2795
6.000	.8136	.9626	1.2664	1.4149	1.2310

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8380 P = .12890 CPSTAG = 1.8297

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0000	.2245	1.8277	.8301	.7197
2.000	.1801	.3832	.9117	.9617	.8186
3.000	.2382	.4039	1.2627	.0000	.6352
4.000	.2772	.4281	.7771	.0000	.5358
5.000	.2886	.4068	.8389	.5132	.5197
6.000	.3798	.4044	.7297	4747	.4958

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0104	.2085	1.7225	.6815	.6096
2 000	.2322	.4025	1.8298	1.0252	.9733
3.000	.3179	.5126	1.6483	.8254	.8416
4.000	.3789	.5434	1.2928	.7480	.7568
5.000	.4001	.5394	1.0263	.7233	.7332
6.000	.4165	.5394	.9185	.6638	.6960

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	8500
POSN					
1.000	.0000	.1906	1.3955	.7972	.4709
2.000	.2761	4149	1.7535	1.1173	1.0812
3 000	.3901	.6098	1.6625	.0000	.0000
4.000	.4730	6481	1.3624	.0000	.9511
5 000	.5062	.6521	1.1389	1.1373	.9211
6 000	.4788	.6644	1.0488	.9650	.8769

ARC 3.5-198 0H38 140C ORB WING CLUSTERS (REZD16)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0234	.1854	1.0106	.9901	.3186
2.000	.3428	.4316	1.5597	1.7718	1.1311
3.000	.4845	.7317	1.5562	1.6618	1.1767
4.000	.5854	.7781	1.3540	1.5521	1.1646
5.000	.6302	.8055	1.2039	1.3997	1.1241
6.000	.6847	.8179	1.1388	1.3212	1.0858

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	4000	.5500	.6000	.8500
POSN					
1.000	.0247	.1609	.3606	.3468	.1053
2.000	.4415	.4533	1.1930	1.2049	1.0447
3.000	.6607	.9691	1.3689	1.4593	1.3063
4.000	.8158	1.0334	1.4037	1.5199	1.4306
5.000	.9002	1.1094	1.3787	1.5113	1.4488
6.000	.8749	1.1369	1.3769	1.5047	1.4482

ARC 3.5-198 0H38 140C ORB WING CLUSTERS (REZD17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0096	.2226	1.8832	.8280	.7176
2.000	.1751	.3754	.9466	.9432	.8103
3.000	.2330	.3955	1.3510	.7059	.6323
4.000	.2713	.4196	.8528	.6430	.5318
5.000	.2828	.3991	.8188	.5034	.5190
6.000	.4911	.4013	.7180	.4579	.4876

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0000	.0000	1.3586	.8608	.4662
2.000	.2783	.4092	.0000	.0000	1.0847
3.000	.3901	.6094	.0000	.0000	.0000
4.000	.4716	.6495	.0000	.0000	.9587
5.000	5041	.6585	.0000	.0000	.0000
6 000	.5791	6668	.0000	.0000	.0000

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0181	.1722	.7531	.7347	.1949
2.000	.3704	.4318	1.4165	1.5704	1.0818
3.000	.5446	.8122	1.4891	1.5859	1.2172
4.000	.6655	.8655	1.3844	1.5580	1.2538
5.000	.7277	.9024	1.2788	1.4586	1.2358
6.000	.6863	.9301	1.2363	1.3977	1.2117

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14 887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1 000	.0276	2938	1.0147	.8600	.8046
2.000	.1364	.3960	.7811	.8627	.6782
3.000	.1628	.3199	.6952	.6247	.4919
4.000	.1840	.3353	.4643	.5138	.3548
5 000	.2187	.3038	.3443	.4420	.3395
6.000	1.2111	.2918	.3128	.3945	.3153

ALPHA (2) = 19 668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0287	.2687	.9014	.8186	.7304
2.000	.1885	.4217	.8630	.9731	.8117
3.000	.2395	.4156	.7557	.7775	.6227
4.000	.2755	.4376	.5623	.6620	.5086
5.000	.3036	.4074	.4759	.5863	.4817
6.000	1.6004	.4041	.4321	.5364	.4582

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0272	.2331	1.1914	.7529	.6249
2.000	.2400	4129	.9702	1.0494	.9582
3.000	.3116	.5080	1.1179	.8875	.8149
4.000	.3682	.5367	.8427	.8057	.7231
5.000	.3885	.5286	.9130	.6748	.7001
6.000	.4908	.5203	.7938	.6291	.6679

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD18)

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0319	.2151	1.5391	.6311	.5031
2 000	.2811	.4229	1.7996	1.0353	1.0772
3.000	.3827	.5986	1.7826	.9960	1.0010
4.000	.4590	.6391	1.3995	.9168	.9194
5.000	.4925	.6467	1.1791	.9062	.8899
6.000	.5712	.6447	1.0725	.8382	.8478

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0350	.2056	1.1515	.8315	.3519
2.000	.3278	.4308	1.6884	1.3072	1.1190
3.000	.4630	.6994	1.6696	1.4813	1.1381
4.000	.5631	7517	1.4107	1.2687	1.1083
5.000	.6046	.7690	1.2418	1.2874	1.0703
6.000	.6822	.7814	1.1555	1 1498	1.0320

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	5500	.6000	.8500
POSN					
1 000	.0479	.2058	.8405	.7955	.2526
2 000	.3820	4571	1.4855	1.5539	1.1248
3.000	.5386	8115	1.5514	1.6162	1.2364
4.000	.6567	.8627	1.4102	1.5199	1.2558
5.000	.7141	.9063	1.3015	1.4505	1.2231
6.000	1.2263	.9148	1.2360	1.3768	1.2032

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD18)

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0155	.0061	.6168	.5943	.0319
2.000	.4295	.4701	.0193	.0163	.0319
3.000	.6086	.8985	.0074	.0069	.0110
4.000	.7401	9586	.0064	.0071	0287
5.000	.8164	1.0139	.0070	.0068	.0282
6.000	.8890	1.0226	.0040	.0065	.0212

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD19) (23 SEP 74)

REFERENCE DATA

SREF = 2070.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0237	.2139	.9381	.7420	.6485
2.000	.1536	.3516	.7046	.8854	.7490
3.000	.1961	.3691	.7243	.6880	5892
4.000	.2319	.3844	.5436	.5993	.4768
5.000	.2362	.3654	.5791	.4862	.4616
6.000	.2116	.3593	.5051	.4423	.4390

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0253	.2021	1.5605	.6526	.5656
2.000	.2034	.3561	1.3012	.9405	.8857
3.000	.2696	.4528	1.4385	.7403	.7542
4.000	.3281	.4766	1.0357	.6848	.6662
5.000	.3385	.4704	.9363	.6091	.6441
6.000	.1571	.4663	.8255	.5699	.6076

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0286	.1888	1.3266	.6979	.4596
2.000	.2528	.3726	1.6407	.9581	.9862
3.000	.3517	.5413	1.5536	1.0951	.9345
4.000	.4221	.5800	1.2738	.8950	.8597
5.000	.4493	.5808	1.0479	.9846	.8328
6.000	.4772	.5654	.9582	.8378	8072

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0313	.1791	1.0041	.9294	.3201
2.000	.3035	.3988	1.4530	1.4570	1.0519
3.000	.4179	.6497	1.5042	1.5354	1.0675
4.000	.5047	.6636	1.2810	1.3285	1.0388
5.000	.5469	6957	1.0824	1.3132	1.0261
6.000	.2189	.7021	1.0151	1.1802	.9590

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	8500
POSN					
1.000	.0422	.1757	.7173	.6978	.2297
2.000	.3506	.4109	1.2990	1.4280	1.0046
3.000	.4949	.7392	1.3756	1.4577	1.1286
4 000	.6048	.7914	1.2591	1.4041	1.1558
5 000	.6537	.8333	1.1578	1.3253	1.1474
6.000	.7076	.8423	1.1133	1.2636	1.1244

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1 000	.0444	.1739	.5670	5496	.1756
2.000	.3781	.4189	1.2288	1.3021	.9714
3.000	.5499	.8130	1.3369	1.4169	1.1740
4.000	.6751	.8756	1.2763	1.4055	1.2292
5.000	.7383	.9075	1.2168	1.3461	1.2336
6.000	.5419	.5636	1.1759	1.3197	1.2314

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = 0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0158	.2087	.9246	.7452	.6461
2.000	.1385	.3274	.6811	.8770	.7379
3.000	.1825	.3469	.7167	.6937	.5769
4.000	.2164	.3673	.5317	.5982	4777
5.000	.2409	.3473	.5766	.4821	.4593
6.000	1.0254	.3434	.4964	.4294	.4417

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0208	.1908	1.5853	.6552	.5569
2.000	.1910	.3509	1.2745	.9187	.8739
3.000	.2630	.4389	1.4650	.7281	.7615
4.000	.3170	.4698	1.0534	.6803	.6574
5.000	.3433	.4586	.9296	5973	6384
6.000	1.3304	.4600	.8331	.5571	.6054

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0363	.2024	1.4868	.6656	.4864
2.000	.2708	.4078	1.8185	.9923	1.0575
3.000	.3735	.5948	1.7085	1.0572	.9946
4.000	.4467	.6352	1.3721	.9164	.9218
5.000	.4812	.6435	1.1225	.9676	.8834
6 000	1.1321	.6454	1.0227	.8621	.8463

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0370	.1977	1.1081	.9458	.3419
2.000	.3219	.4189	1.6147	1.4559	1.1026
3.000	.4473	.6912	1.6039	1.6147	1.1288
4.000	.5466	.7404	1.3539	1.3503	1.0984
5.000	.5919	.7598	1.1797	1.3574	1.0618
6.000	1.4722	.7697	1.1126	1.2088	1.0198

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0461	.1925	.7913	.7641	.2405
2.000	.3840	.4505	1.4451	1.5560	1.0800
3.000	.5413	.8067	1.5165	1.5777	1.2203
4.000	.6573	.8638	1.3743	1.5250	1.2367
5.000	.7125	.9035	1.2663	1.4283	1.2230
6.000	.7803	.9131	1.2157	1.3661	1.1918

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0463	.1848	.6043	.5838	.1804
2.000	.4135	.4577	1.3270	1.3847	1.0477
3.000	.5853	.8809	1.4535	1.5128	1.2509
4.000	.7178	.9393	1.3777	1.5106	1.3119
5.000	.7950	.9890	1.3092	1.4401	1.3187
6.000	1.5616	1.0139	1.2777	1.4075	1.3055

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0203	.2189	1.8569	.8041	.7134
2.000	.1864	.3732	1.6030	.9514	.8077
3.000	.2445	.4067	1.4040	.6502	.6619
4.000	.2827	.4301	1.0233	.6175	.5471
5.000	.2937	.4130	.7992	.5018	.5321
6.000	.3101	.4135	.7081	.4605	.5040

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0000	.0000	.0000	.0000	.0000
2.000	.0000	.0000	.0000	.0000	.0000
3.000	0000	.0000	.0000	.0000	.0000
4.000	0000	.0000	.0000	.0000	.0000
5.000	.0000	.0000	.0000	.0000	.0000
6.000	.0000	.0000	.0000	.0000	.0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0208	.1776	1.4879	.7289	.5992
2.000	.2167	.3549	1.5875	.8489	.9703
3.000	.2955	.4860	1.4494	1.5736	.8426
4.000	.3530	.5193	1.1590	1.4728	.7550
5.000	.3771	.5152	.9520	.8377	.7429
6.000	.4002	.5222	.8336	.6921	.6925

ARC 3.5-198 0H38 140C ORB WING CLUSTERS (REZD30)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0372	.1821	.7184	.7239	.2704
2.000	.3828	.4339	1.3777	1.4986	1.0007
3.000	.5514	.8219	1.4495	1.5249	1.2263
4.000	.6740	.8705	1.3548	1.5283	1.1341
5.000	.7349	.9175	1.2615	1.4234	1.1483
6.000	.8017	.9360	1.2180	1.3745	1 1497

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0381	.1737	.5627	.5572	.2924
2.000	.4116	.4429	1.2829	1.3390	1.0242
3.000	.6046	.8902	1 4011	1.4884	1 2718
4.000	.7395	.9500	1.3800	1.5245	1.2062
5.000	.8130	1.0080	1.3167	1.4631	1.2363
6.000	.8906	1.0384	1.2979	1.4378	1.2395

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	8500
POSN					
1.000	.0271	.1506	.4308	.4060	.3405
2.000	.4280	.4311	1 1235	1.1156	1.0340
3.000	.6381	.9496	1.2906	1.4003	1.3024
4.000	.7901	1.0208	1.3433	1.4610	1.2789
5.000	.8773	1.0891	1.3403	1.4580	1.3210
6.000	.9634	1.1237	1.3339	1.4459	1.3232

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0052	.2080	.9256	.6766	.6200
2.000	.1672	.3613	1.0986	.9402	.6736
3.000	.2281	.3949	1.5285	.6727	.6311
4.000	2696	.4198	1.0182	.6362	.5389
5.000	.2795	.4036	.8343	.4786	.5310
6.000	2959	.4057	.7271	.4427	.5033

ALPHA (2) = 29.712 MACH (1) = 7 320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1 000	.0075	.1737	.9185	.8281	.5630
2 000	.2613	.3828	1.6605	1.2031	.8073
3.000	.3787	.5954	1.6613	1.6683	1.0211
4.000	.4585	.6342	1.2955	1.1210	.8206
5 000	4907	.6553	1.0853	1.3222	.8183
6 000	5293	.6623	.9959	1.0977	.8077

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD32) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0055	.2012	1.8419	.7928	.7658
2.000	.1123	.3049	1.2989	.7718	.6696
3.000	.1444	.2731	1.0884	.4900	.4727
4.000	.1679	.2957	.7540	.4255	.3574
5.000	.1720	.2682	.6032	.3412	.3578
6.000	.1797	.2645	.4892	.3058	.3301

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0092	.2084	1.9826	.7871	.7099
2.000	.1686	.3586	1.3392	.9294	.8001
3.000	.2273	.3913	1.4895	.6384	.6455
4.000	.2661	.4143	1.0183	.6081	.5322
5.000	.2768	.3969	.7881	.4717	.5156
6.000	.2918	.3996	.7061	.4346	.4877

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0161	.1723	1.5234	.7309	.6333
2.000	.2178	.3566	1.5747	.8751	.9360
3.000	.2960	.4860	1.4715	.9518	.8320
4.000	.3533	.5190	1.1441	.7549	.7503
5.000	.3775	.5113	.9435	.8933	.7181
6.000	.4018	.5193	.8360	.7045	.6810

ARC 3.5-198 0H38 140C ORB WING CLUSTERS (REZD32)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0134	.1806	1.3053	1.0436	.4594
2.000	.2662	.3915	1.6769	1.1610	1.0657
3.000	.3780	.6000	1.5630	1.6254	1.0292
4 000	.4572	.6380	1.2769	1 0832	.9536
5.000	.4895	.6472	1.0734	1.2950	.9212
6.000	.5297	.6613	.9902	1.0424	.8764

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0174	.1698	.9914	.9772	.2980
2.000	.3133	.4041	1.5223	1.7519	1.0888
3.000	.4528	.6971	1.4997	1.6234	1.1615
4.000	.5544	.7450	1.3088	1 5498	1.1381
5.000	.5997	.7716	1.1599	1 3610	1.1084
6.000	.6491	.7902	1.0972	1.2763	1.0563

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0197	.1598	.6992	.6820	.2066
2.000	.3610	.4051	1.3016	1.4424	1.0405
3 000	.5273	.7937	1.4267	1 5186	1.1978
4.000	.6474	.8532	1.3015	1.4966	1.2770
5.000	.7132	.8965	1.2398	1.3968	1.2454
6.000	.3545	.9218	1.1851	1.3379	1.1993

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS (REZ032)

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0286	.1567	.4918	.4880	.1443
2.000	.4031	.4236	1.1987	1.2609	1.0275
3.000	.5875	.8721	1.3573	1.4399	1.2519
4.000	.7212	.9316	1.3159	1.4736	1.3537
5.000	.7969	.9868	1.2803	1.4149	1.3551
6.000	.8735	1.0140	1.2479	1.3872	1.3306

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0912	.0000	.3527	.3226	.0903
2.000	.0000	.4287	1.1379	.0000	1.0174
3.000	.6326	.9531	1.3207	1.4182	.0000
4.000	.7861	1.0257	1.3592	1.4815	1.4172
5.000	.0000	1.1002	1.3539	.0000	1.4434
6.000	.0000	1.1187	1.3444	1.4698	1.4067

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19 334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0068	.2196	.9344	.6860	.6272
2.000	.1700	.3654	.9291	.9583	.6801
3.000	.2327	.4009	1.4514	.7248	.6183
4.000	.2736	.4239	.8567	.6640	.5459
5.000	.2839	.4081	.8704	.4912	.5382
6 000	.2986	.4091	.7565	.4581	.5028

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0093	.1685	.8770	.6487	.5666
2.000	.2159	.3477	1.6156	.8836	.7208
3.000	.3024	.4952	1.5160	.9455	.8492
4.000	.3595	.5376	1.1618	.7445	.6936
5.000	.3844	5325	.9924	8920	.6923
6.000	.4085	5365	.8432	.6989	.6625

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.1737	.2452	.9359	.9028	.2706
2.000	.3087	.3801	1.4779	1.6151	1.0639
3.000	.4491	.6935	1.5078	1.5680	1.1469
4.000	.5533	.7665	1.2758	1.4657	1.1855
5.000	.6094	.7874	1.1929	1.3402	1.1822
6 000	.6449	8004	1.0918	1.2712	1.0477

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD33)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	8500
POSN					
1.000	.0160	.1570	.7113	.6993	.3953
2.000	.3529	.4154	1.3643	1.4638	.8552
3.000	.5266	.8005	1.5019	1.5094	1.1923
4.000	.6514	.8585	1.3463	1.5117	.9478
5.000	.7154	.9193	1.2601	1.4238	.9741
6.000	.7788	.9255	1.2103	1.3681	.9792

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0000	.2065	1.8334	.7819	.7796
2.000	.1228	.3098	1.2763	.7747	.6823
3.000	.1571	.2812	2.2857	.0000	.4880
4.000	.1785	.3023	1.6163	.0000	.3720
5.000	.1829	.2743	.9341	.3459	3717
6.000	.1912	.0000	.3556	.3119	.3430

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0082	.2101	1.8576	.7841	.6997
2.000	.1657	.3545	1.4709	.9283	.7932
3.000	.2243	.3878	1.4155	.6475	.6126
4.000	.2611	.4139	1.0127	.6041	.5334
5.000	.2728	.3971	.7959	.4844	.5167
6.000	.2880	.3984	.7100	.4437	.4878

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0147	.1805	1.5546	.7069	.6506
2.000	.2234	.3704	1.6139	.8659	.9497
3.000	.2996	.4958	1.5242	.8909	.8438
4.000	.3613	.5283	1.1703	.7482	.7602
5.000	.3845	.5226	.9580	.7989	.7232
6.000	.4094	.5333	.8524	.6819	.6908

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD34)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0159	.1825	1.3303	1.0502	.4553
2.000	.2702	.3984	1.6931	1.1747	1.0503
3.000	.3825	.6050	1.5859	1.6258	.9818
4.000	.4652	.6447	1.3019	1.0902	.9406
5 000	.4995	.6558	1.0960	1.3098	.9142
6.000	.5350	.6642	1.0051	1.0582	.8688

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0176	.1717	.9859	.9593	.3342
2.000	.3202	.3969	1.4496	1.6962	1.0754
3.000	.4514	.6973	1.5122	1.6353	1.1452
4 000	.5561	.7536	1.2940	1.5376	1.1630
5.000	.6031	.7775	1.1696	1.3510	1.1182
6.000	.4645	.7978	1.0942	1.2849	1.0518

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	8500
POSN					
1.000	.0186	.1719	.7243	.7169	.1859
2.000	3573	4187	1.3987	1.5150	1.0415
3.000	.5288	.7971	1.4723	1.5581	1.1718
4 000	.6481	.8495	1.3693	1.5335	1.2321
5.000	.7112	.8925	1.2727	1.4412	1.2157
6.000	.7754	.9181	1.2323	1.3782	1.1977

ARC 3.5-198 OH38 140C ORD WING CLUSTERS (REZD34)

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0285	.1605	.4984	.4929	.1567
2.000	.4095	.4298	1.2073	1.2619	1.0301
3.000	.5867	.8752	1.3581	1.4357	1.2530
4.000	.7236	.9288	1.3169	1.4726	1.3398
5.000	.7981	.9876	1.2841	1.4122	1.3532
6.000	.4275	1.0102	1.2555	1.3885	1.3341

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.1887	.2393	.3538	.3234	.1087
2.000	.4357	.4337	1.1175	1.1186	1.0328
3.000	.6379	.9531	1.3045	1.3936	1.3006
4.000	.7924	1.0206	1.3514	1.4587	1.4320
5.000	.8820	1.0918	1.3454	1.4575	1.4574
6.000	.7861	.0000	1.3302	1.4515	1.4294

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0058	.2043	1.9099	.7883	.6982
2.000	.1668	.3568	1.3744	.9209	.7985
3.000	.2235	.3862	1.4233	.6335	.6299
4.000	.2611	.4103	.9998	.5925	.5261
5 000	.2755	.3923	.7815	.4731	.5116
6 000	.5929	.3938	.7020	.4282	.4814

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0109	.2037	1.6929	.6619	.5898
2.000	.2187	.3860	1.7318	.9347	.9466
3.000	.3025	.4983	1.5654	.8031	.8000
4.000	.3616	.5296	1.2193	.7050	.7365
5.000	.3835	.5209	.9724	.7168	.7069
6 000	.6373	.5315	.8715	.6428	.6713

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0092	.1735	1.2899	1.1790	.4517
2.000	.2653	.3834	1.6490	1.1944	1.0606
3.000	.3735	.5907	1.5587	1.6654	.9899
4.000	.4513	.6317	1.2712	1.1279	.9494
5.000	.4844	.6424	1.0665	1.3016	.9222
6.000	.6260	.6521	.9826	1.1102	.8786

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD35)

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0104	.1671	.9687	.9684	.2950
2.000	.3185	.3994	1.5077	1.7168	1.0870
3.000	.4581	.7051	1.4924	1.6058	1.1209
4.000	5570	.7487	1.3098	1.5152	1.1263
5.000	.6054	.7770	1.1618	1.3617	1.0943
6.000	.7554	.7939	1.1010	1.2843	1.0570

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0151	.1612	.7019	7075	.1808
2.000	.3618	.4136	1.3732	1.5020	1.0509
3.000	.5283	.7973	1.4481	1.5358	1 1817
4.000	.6507	.8512	1.3467	1.5142	1.2323
5.000	.7109	.8945	1.2431	1.4278	1.2261
6.000	.9099	.9201	1.2076	1 3674	1.2064

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0203	.1567	.5039	.5104	.1301
2.000	.3982	.4289	1.2730	1.3287	1.0370
3.000	.5908	.8733	1.3935	1.4732	1.2560
4.000	.7299	.9364	1.3578	1.4969	1.3286
5.000	.8014	.9970	1.3032	1.4522	1.3425
6.000	.7655	1.0233	1.2860	1.4251	1.3290

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0065	.1904	1.7700	.7225	.7414
2.000	.1183	.2988	1.3316	.7665	.6592
3.000	.1490	.2709	1.0803	.4814	.4788
4.000	.1727	.2900	.7520	.4138	.3653
5.000	.1775	.2070	.5845	.3564	.3595
6.000	.1860	.2638	.4884	.3126	.3357

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0057	.1777	1.5619	.6848	.5668
2.000	.2025	.3593	1.5994	.8643	.9236
3.000	.2846	.4717	1.4419	.8440	.7983
4.000	.3434	.5018	1.1497	.7154	.7245
5.000	.3637	.4951	.9232	.7817	.6954
6.000	.1182	.5071	.8343	.6612	.6597

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0247	.1785	1.2340	1.2131	.4500
2.000	.2698	.3822	1.5580	1.3520	1.0587
3.000	.3788	.6010	1.5032	1.6824	1.0136
4.000	.4559	.6410	1.2651	1.2911	.9703
5.000	.4912	.6499	1.0816	1.2945	.9512
6.000	.5269	.6653	.9785	1.1874	.8832

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD36)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0216	.1573	.4949	.4897	.1413
2.000	.3912	.4191	1.2264	1.2552	1.0051
3.000	.5755	.8571	1.3475	1.4303	1.2119
4.000	.7067	.9192	1.3227	1.4484	1.2885
5.000	.7788	.9716	1.2670	1.3943	1.3026
6.000	.8535	.9953	1.2406	1.3642	1.2930

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	4000	.5500	.6000	.8500
POSN					
1.000	.2074	.2680	.3612	.3276	.1167
2.000	.4318	.4364	1.1366	1.1418	1.0303
3.000	.6394	.9545	1.3760	1.4246	1.3025
4.000	.7961	1.0290	1.3653	1.4761	1.4314
5.000	.8868	1.1018	1.3593	1.4803	1.4631
6.000	.6061	1.1266	1.3399	1.4647	1.4267

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS (REZD37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0013	.1981	.9209	.6557	.6930
2.000	.1141	.3063	1.2323	.7863	.6165
3.000	.1491	.2715	1.1099	.4723	.4667
4.000	.1715	.2884	.7525	.4175	.3786
5.000	.1769	.2652	.5969	.3341	.3605
6.000	.2040	.2658	.4923	.2988	.3396

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0041	.1842	1.8632	.7156	.6736
2.000	.1568	.3341	1.4494	.8884	.7825
3.000	.2141	.3683	1.3757	.6186	.6170
4.000	.2533	.3932	.9735	.5574	5216
5.000	.2666	.3760	.7850	.4803	.5120
6.000	.0741	.3834	.6783	.4268	.4841

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (REZD38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7 033 SPOBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0038	.1815	.8906	.6107	.6470
2.000	.1606	.3374	1.4692	.8760	.6692
3.000	.2194	.3800	1.3948	.5974	.6311
4 000	.2606	.4037	.9991	.5510	.5537
5.000	2728	.3892	.7940	.4730	.5309
6.000	.2868	.3952	.6813	.4295	.4988

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0068	.1661	1.6146	.6947	.6078
2.000	.2091	.3507	1.5705	.8684	.7398
3.000	.2879	.4789	1.5439	.8969	.8585
4.000	.3575	.5238	1.1705	.7410	.7019
5.000	.3822	.5179	.9711	.8023	.6831
6.000	.1478	.5271	.8444	.6758	.6591

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (XEZD03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0161	.0712	1.7416	.7247	.6727
2.000	.1629	.3421	1.6383	.8563	.7789
3.000	.2183	.3753	1.3443	.6113	.6295
4.000	.2544	.2740	.9796	.5676	.5249
5.000	.2681	.3850	.7647	.4966	.5134
6.000	.2828	.3920	.6745	.4431	.4928

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0185	.0665	1.5501	.7154	.5662
2.000	.2142	.3620	1.6559	.8514	.9321
3.000	.2991	.4802	1.4798	.8613	.8327
4.000	.3567	.3729	1.1802	.7437	.7304
5.000	.3810	.5093	.9518	.7991	.7146
6.000	.4062	.5233	.8423	.6815	.6324

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0136	.0629	1.2632	1.1552	.4242
2.000	.2584	.3800	1.5604	1.1957	1.0249
3.000	.3713	.5774	1.5218	1.6531	.9914
4.000	.4482	.4763	1.2672	1.1470	.9204
5.000	.4820	.6291	1.0566	1.2905	.8991
6.000	.5177	.6492	.9730	1.1395	.8546

ARC 3.5-198 OH38 140C OR8 WING CLUSTERS (XEZD03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0247	.0526	.8877	.9005	.2674
2.000	.3215	.3918	1.3913	1.5626	1.0593
3.000	.4537	.6815	1.4333	1.5115	1.1229
4.000	.5523	.5263	1.2531	1.4373	1.0892
5.000	.6009	.7564	1.1164	1.2965	1.0802
6.000	.6527	.7746	1.0576	1.2211	1.0398

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0379	.0673	.6615	.6728	.1758
2.000	.3674	.4100	1.2792	1.3650	1.0358
3.000	.5314	.7836	1.3879	1.4648	1.1884
4.000	.6489	.6329	1.2933	1.4435	1.2042
5.000	.7098	.8794	1.2000	1.3633	1.2110
6.000	.7735	.9098	1.1613	1.3099	1.1938

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0542	.0822	.4929	.4972	.1321
2.000	.3929	.4153	1.2050	1.2408	1.0198
3.000	.5807	.8521	1.3583	1.4294	1.2375
4.000	.7124	.7398	1.3299	1.4496	1.3038
5.000	.7878	.9702	1.2793	1.4145	1.3284
6.000	.8626	1.0116	1.2476	1.3812	1.3059

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (XEZ003)

ALPHA (7) = +3.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0670	.0910	.3289	.3232	.1029
2 000	.4257	.0000	1.1529	1.1257	1.0086
3 000	.6301	.9139	1.3241	1.4133	1.2852
4.000	.7754	.7834	1.3540	1.4792	1 3584
5.000	.8593	1.0501	.0000	1.4665	1.3887
6.000	.9463	1.0832	1.3571	1.4605	1.3994

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (XEZD04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = 000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0061	.2039	2.0215	.6811	.6412
2.000	.1673	.3615	1.3333	.9340	.6910
3.000	.2294	.3901	1.5004	.6346	.6403
4.000	.2701	.4122	1 0420	.6320	.5545
5.000	.2829	.3972	.8281	.4848	.5318
6 000	2730	.4008	.7201	.4399	.5003

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10 595 P = .28250 CPSTAG = 1.8291

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0104	.0663	1.7027	.6880	.5798
2.000	.2201	.3741	1.7155	.9113	.9513
3.000	.3109	.5039	1 6559	.8305	.8629
4.000	.3716	.4286	1.2289	.7598	.7901
5.000	.3942	.5341	1.0163	.7678	.7511
6 000	.4206	.5428	.8818	.6833	.7064

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	8500
POSN					
1.000	.0113	.0586	1.3735	1.0632	.4293
2.000	.2630	.3848	1.6673	1.1625	1.0522
3.000	.3795	.5967	1.6587	1.6715	1.0252
4 000	.4584	.5316	1.2933	1.1108	.9603
5.000	.4942	.6558	1.0960	1.3453	.9358
6.000	.5311	.6683	1.0070	1.1073	8838

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (XEZD04)

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1 000	.0214	.0494	.8893	.8691	.2455
2.000	.3182	.3879	1.4430	1.5538	1.0441
3.000	.4643	.6996	1 5127	1.5202	1.1590
4 000	.5592	.6310	1.2847	1.4757	1.1472
5.000	.6163	.8008	1.1694	1.3489	1.1142
6.000	.6711	.8083	1.0954	1.2717	1.0647

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1 000	.0390	.0593	.6198	.6254	.1567
2.000	.3567	.4045	1.2969	1.3237	1.0077
3.000	.5293	.7965	1.4445	1.4461	1.2182
4 000	.6523	.6920	1.3220	1.4431	1.2458
5.000	.7131	.9041	1.2477	1.3966	1.2506
6.000	.7826	.9281	1.1928	1.3429	1.2217

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1 000	0625	.0819	.4547	.4473	.1179
2.000	.3910	.4130	1.2157	1.2031	1.0224
3.000	.5803	.8644	1.3738	1.4160	1.2693
4 000	.7181	.7974	1.3439	1.4504	1.3442
5.000	.7973	1.0070	1.3013	1.4373	1.3495
6.000	.8728	1.0219	1.2702	1.4005	1.3391

ARC 3.5-198 0H38 140C ORB WING CLUSTERS (XEZD05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.486 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0075	.2065	1.4181	.7824	6940
2.000	.1674	.3545	1.5123	.9485	.7922
3.000	.2238	.3874	1.4045	.6358	.6378
4.000	.2620	.4104	1 0185	6123	.5341
5.000	.2738	.3951	.7941	.4870	.5156
6.000	.3090	.3953	.6988	.4424	.4866

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0157	.1816	1.1602	.9520	.4533
2.000	2725	.4012	1.6723	1.1781	.9910
3.000	.3803	.6035	1.5790	1.5751	1.0096
4.000	.4617	.6426	1.3051	1.0785	.9270
5.000	.4964	.6542	1.0959	1.2972	.8992
6.000	.5322	.6647	1.0070	1.0286	.8580

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0326	.1650	.8996	8951	.2992
2 000	.3108	.3856	1.3845	1.5918	.9757
3.000	.4441	.6907	1.4260	1.5222	1.1187
4.000	.5412	.7345	1.2463	1.4410	1.0345
5.000	.5895	.7600	1.1321	1.2976	1.0254
6.000	.6397	.7802	1.0606	1.2292	1.0029

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS (XEZD05)

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0187	.1693	.7527	.7466	.2623
2.000	.3696	.4268	1.3904	1.5217	.9913
3.000	.5407	.8252	1.4622	1.5339	1.2059
4.000	.6610	.8771	1.3657	1.5417	1.1244
5 000	.7295	.9250	1.2644	1.4298	1.1316
6 000	.7429	.9521	1.2249	1 3735	1.1224

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5300	.6000	.8500
POSN					
1.000	.0394	.1553	.5315	.5174	.2904
2.000	.3950	.4162	1.2051	1.2235	1 0014
3.000	.5798	.8643	1.3331	1.4246	1.2462
4.000	.7152	.9232	1.3112	1.4440	1.1866
5.000	.7887	.9811	1.2728	1 4005	1 2182
6 000	.8614	1.0100	1.2473	1 3720	1.2199

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0391	.1468	.4335	.4059	.2939
2 000	.4214	.4280	1.1197	1.1088	1.0294
3.000	.6278	.9374	1.2952	1.3920	1.2796
4.000	.7825	1.0107	1.3382	1.4545	1.2403
5.000	.8678	1.0808	1.3347	1.4466	1.2854
6.000	.5002	1.1118	1.3308	1.4456	1.2905

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (XEZD05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0022	.1790	.8766	.6027	.6131
2.000	.1591	.3345	1.4728	.8564	.6618
3.000	.2175	.3791	1.3503	.5831	.6250
4.000	.2579	.4040	.9956	.5276	5346
5.000	.2700	.3863	.7965	.4649	.5149
6.000	.2852	.3934	.6711	.4185	.4908

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0096	.1682	.8751	.6555	.5840
2.000	.2140	.3438	1.6217	.8789	7316
3.000	.2998	.4914	1.5386	.9368	.8484
4.000	.3612	.5400	1.1690	.7396	.7034
5 000	3877	.5289	9966	.8677	.7021
6 000	.4087	.5339	.8562	.6998	.6653

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0067	.1542	.8812	.8373	.5570
2.000	.2530	.3615	1.5457	1.4021	.7995
3.000	.3626	.5745	1.5301	1.6060	.9852
4.000	4417	.6241	1.2322	1.2883	.8101
5.000	.4774	.6360	1.0636	1.2556	.8081
6.000	.0795	.6489	.9600	1.1451	.7935

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (XEZD06)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0142	.1547	.8770	.8316	.5392
2.000	.3107	.3804	1.4643	1.6241	.8563
3 000	.4506	.6978	1.5188	1 5663	1.1365
4 000	.5548	.7650	1.2799	1.4638	.9182
5.000	.6127	.7907	1.1905	1.3417	.9335
6.000	.6457	.7958	1.0968	1.2674	.9138

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (XEZD11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = 000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0000	.0000	1.8472	.8119	.7651
2.000	.1162	.3175	.0000	.0000	.6715
3.000	.1487	.2831	.0000	.0000	.4739
4.000	.1735	.3036	.0000129.0210		.3590
5.000	.1770	.2751	.0000	.3406	.3521
6.000	.1839	.2772	.0000	.3075	.3266

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0120	.2091	1.8579	.7925	.7128
2.000	.1668	.3555	1.5350	.9355	.8015
3.000	.2260	.3899	1.4318	.6356	6453
4.000	.2656	.4145	1.0018	.6053	.5345
5.000	.2750	.3971	.7866	.4813	.5198
6.000	.2912	.3973	.6976	.4389	4930

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0106	.1882	1.5621	.6640	.5916
2.000	.2155	.3752	1.6578	.8410	.9543
3.000	.2958	.4950	1.5304	.8186	.8201
4.000	.3577	.5320	1.1824	.6937	.7309
5.000	.3815	.5229	.9693	.7137	.7159
6.000	.1689	.5361	.8468	.6407	.6682

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (XEZD11)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0149	.1838	1.1553	1.0249	.4634
2.000	.2686	.3917	1.6710	1.2121	.9761
3.000	.3813	.6029	1.5672	1.6673	1.0320
4.000	.4605	.6414	1.2872	1.1352	.9294
5.000	.4951	.6521	1.0858	1.3111	.9020
6.000	.5335	.6648	1.0013	1.1003	.8689

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	8500
POSN					
1 000	.0205	.1710	.9094	.9209	.3132
2 000	.3228	.3952	1.4287	1.6191	.9924
3 000	.4573	.7061	1.4727	1.5634	1.1519
4.000	.5544	.7515	1.2908	1.4591	1.0805
5 000	.6062	.7799	1.1565	1.3277	1.0827
6.000	.6550	.7969	1.0795	1.2580	1.0235

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0199	.1690	.7258	.7211	.2787
2.000	.3617	.4176	1.3689	1.5080	.9964
3.000	.5326	.8005	1.4494	1.5272	1.2110
4.000	.6557	.8525	1.3443	1.5305	1.1394
5.000	.7152	.8998	1.2511	1.4188	1.1470
6.000	.7789	.9230	1.2124	1.3626	1.1441

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (XEZD11)

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0267	.1598	.5194	.5175	.2961
2.000	.4033	.4243	1.2243	1.2489	1.0359
3.000	.5915	.8785	1.3627	1.4487	1.2587
4.000	.7291	.9414	1.3344	1.4614	1.2334
5.000	.8032	1.0012	1.2947	1.4259	1.2740
6.000	.8797	1.0255	1.2631	1.4028	1.2625

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0252	.1530	.3498	.3241	.1136
2.000	.4276	.4305	1.1296	1.1301	1.0264
3.000	.6354	.9523	1.3190	1.4133	1.2988
4.000	.7909	1 0241	1.3636	1.4721	1.4265
5.000	.8783	1.0988	1.3518	1.4703	1.3351
6.000	.9630	1.1238	1.3374	1.4691	1.3452

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (YEZD03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3 000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0062	.1823	1.7539	.6832	.7437
2.000	.1656	.3353	1.4530	.8669	.7902
3.000	.2168	.3783	1.3231	.6106	.6308
4.000	.2560	.4015	.9427	.5561	.5314
5.000	.2679	.3852	.7778	.4899	.5139
6.000	.2818	.3869	.6724	.4376	.4827

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	3011	.4000	.5500	.6000	.8500.
POSN					
1.000	.0130	.1777	1.1424	1.0492	.4690
2.000	.2693	.3882	1.6344	1.2269	.9508
3.000	.3788	.5958	1.5405	1.6387	1.0199
4.000	.4568	.6323	1.2746	1.1391	.9130
5.000	.4905	.6481	1.0729	1.2967	.8887
6.000	.5423	.6547	.9863	1.1066	.8558

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0161	.1616	.9438	.9148	.3314
2.000	.3151	.3909	1.4121	1.6528	1.0772
3.000	.4495	.6952	1.4672	1.5790	1.1415
4.000	.5461	.7414	1.2548	1.4880	1.1581
5.000	.5938	.7658	1.1424	1.3188	1.1051
6.000	.6451	.7829	1.0701	1.2452	1.0419

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (YEZD03)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0171	.1670	.7243	.7234	.3246
2.000	.3596	.4168	1.3799	1.5246	9841
3.000	.5330	.8012	1.4566	1.5391	1.2000
4.000	.6559	.8557	1.3564	1.5367	1.1138
5.000	.7149	.8981	1.2558	1.4270	1.1239
6.000	.7665	.9216	1.2132	1.3743	1.1221

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0190	.1514	.5207	.5141	.5475
2.000	.3940	.4145	1.2013	1.2741	.9868
3.000	.5810	.8633	1.3621	1.4325	1.2671
4.000	.7122	.9287	1.3089	1.4762	1.1890
5.000	.7924	.9852	1.2955	1.4230	1 2047
6.000	.5758	1.0069	1.2506	1.3940	1.2034

ARC 3.5-198 OH38 140C ORB WING CLUSTERS (YEZD04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0119	.1712	.8914	.8534	.5450
2.000	.2729	.3834	1.6246	1.4429	.7964
3.000	.3907	.6097	1.6359	1.6487	1.0384
4.000	.4721	.6529	1.2773	1.3607	.8237
5.000	.5062	.6733	1.0866	1.3380	.8180
6.000	.4318	.6690	1.0064	1.2095	.8060

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1)WING CLUSTERS DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0177	.1540	.7390	.7515	.6762
2.000	.3581	.4130	1.3417	1.4463	.9019
3.000	.5286	.8041	1.4766	1.4745	1.2275
4.000	.6566	.8652	1.3399	1.5112	.9907
5.000	.7212	.9225	1.2600	1.4259	1.0115
6.000	.1763	.9234	1.2138	1.3700	1.0174

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3 000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.2225	.0903	.1955
2.000	.1802	.1476	.1734
3 000	.2207	.2371	.1861

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0061	-.0008	-.0018
2.000	.0317	.0201	.0154
3.000	.0140	.0158	.0313

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0080	.0076	.0079
2.000	.0274	.0256	.0230
3.000	.0198	.0203	.0402

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0095	-.0095	-.0086
2.000	-.0012	-.0023	.0058
3.000	-.0013	-.0027	.0304

ARC 3.5-198 0H38 140C ORB WINDSHIELD (REZE02) (23 SEP 74)

REFERENCE DATA

SREF = 2696.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = 41.533
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19 866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1 8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1 0000	2.0000	3.0000
COLUMN			
1.000	.0155	.0141	.0079
2.000	.1330	.0526	.0301
3.000	.0418	.0469	.0314

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0011	-.0072	-.0081
2.000	.0192	.0156	.0113
3 000	.0061	.0077	.0085

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2 0000	3.0000
COLUMN			
1.000	-.0112	-.0118	-.0122
2.000	-.0020	.0014	-.0001
3 000	-.0044	-.0038	.0036

ARC 3.5-198 0H38 140C ORB WINDSHIELD (REZE03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19 675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0564	.0404	.0330
2.000	.1386	.0866	.0578
3.000	.0715	.0685	.0670

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0442	.0315	.0274
2.000	.0885	.0541	.0434
3.000	.0511	.0532	.0588

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0388	.0289	.0262
2.000	.0607	.0484	.0421
3.000	.0436	.0445	.0522

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0245	.0227	.0230
2.000	.0423	.0408	.0369
3.000	.0347	.0343	.0446

ARC 3.5-198 0H38 140C ORB WINDSHIELD (REZE03)

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0261	.0226	.0206
2.000	.0318	.0357	.0360
3.000	.0311	.0301	.0567

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.2409	-.2515	-.2380
2.000	-.1390	-.2083	-.2314
3.000	-.2112	-.2158	-.2206

ALPHA (2) = 25 260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0128	.0072	.0073
2.000	.0755	.0308	.0195
3.000	.0269	.1200	.0282

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3 0000
COLUMN			
1.000	.0100	.0045	.0046
2.000	.0292	.0305	.0233
3.000	.0166	.1909	.0183

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0090	-.0099	-.0096
2.000	.0052	.0091	.0025
3.000	.0016	.0014	.0064

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE04)

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0143	-.0145	-.0144
2.000	-.0036	-.0021	-.0050
3.000	-.0069	-.0060	-.0050

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3 000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0462	.0393	.0371
2.000	.0685	.0582	.0520
3.000	.0528	.0520	.0616

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0682	.0562	.0473
2.000	.1370	.0956	.0709
3.000	.0862	.0856	.0846

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1 000	.0300	.0299	.0296
2.000	.0381	.0488	.0445
3 000	.0375	.0485	.0548

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1 8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0365	.0277	.0192
2.000	.1426	.0712	.0424
3.000	.0593	.0558	.0498

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	0020	-.0045	-.0054
2.000	.0224	.0183	.0080
3.000	.0099	.0104	.0035

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0010	-.0004	-.0001
2.000	.0085	.0124	.0106
3.000	.0065	.0074	.0152

ARC 3.5-198 OH38 140C ORB WINDSHIELD .(REZE07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0727	.0622	.0536
2.000	.1467	.1069	.0745
3.000	.0906	.0908	.0851

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0525	.0430	.0413
2.000	.0740	.0629	.0607
3.000	.0577	.0585	.0638

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3 0000
COLUMN			
1.000	.0345	.0345	.0345
2.000	.0428	.0497	.0495
3.000	.0424	.0430	.0529

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE08) (23 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	15.667	RN/L =	6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.2054	-.2118	-.2199
2.000	-.0980	-.1396	-.1979
3.000	-.1804	-.1854	-.1940

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0191	.0114	.0105
2.000	.0402	.0355	.0297
3.000	.0268	.0280	.0256

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0029	.0022	.0020
2.000	.0106	.0140	.0125
3.000	.0087	.0093	.0160

ARC 3.5-198 OH3B 140C ORB WINDSHIELD (REZE09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0710	.0585	.0516
2.000	.1478	.0990	.0728
3.000	.0892	.0913	.0839

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1 000	.0604	.0500	.0452
2.000	.1175	.0747	.0610
3.000	.0689	0729	.0738

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0133	.0044	.0041
2.000	.0343	.0000	.0211
3.000	.0195	.0201	.0155

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0012	-.0015	.0000
2.000	.0175	.0178	.0108
3.000	.0106	.0113	.0108

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE09)

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0035	-.0036	-.0018
2.000	.0044	.0117	.0075
3.000	.0040	.0048	.0076

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE10) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0344	.0288	.0182
2.000	.1389	.0733	.0471
3.000	.0590	.0440	.0408

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3 0000
COLUMN			
1.000	.0285	.0167	.0122
2.000	.1043	.0383	.0311
3.000	.0353	.0334	.0351

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	0168	.0092	.0092
2.000	.0423	.0324	.0290
3 000	.1029	.0263	.0235

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0096	.0067	.0056
2.000	.0210	.0262	.0194
3.000	.0188	.0190	.0217

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE10)

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0075	.0050	.0056
2.000	.0167	.0183	.0196
3.000	.0139	.0140	.0196

ARC-3.5-198 OH38 140C ORB WINDSHIELD (REZE11) 4(-23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9 100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0453	.0292	.0226
2.000	.1133	.0754	.0512
3.000	.0623	.0537	.0515

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0221	.0147	.0125
2.000	.0449	.0354	.0313
3.000	.0280	.0667	.0318

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2 0000	3.0000
COLUMN			
1.000	.0053	.0113	.0054
2.000	.0140	.0284	0203
3.000	.0138	.1027	.0278

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0377	.0277	.0188
2.000	.1086	.0633	.0386
3.000	.0551	.0344	.0435

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0218	.0000	.0000
2.000	.0701	.0302	.0000
3.000	.0333	.0298	.0000

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0130	.0085	.0050
2.000	.0390	.0340	.0135
3.000	.0217	.0344	.0132

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0284	.0293	.0280
2.000	.0477	.0511	.0416
3.000	.0396	.0508	.0497

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE12)

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0255	.0277	.0254
2.000	.0345	.0430	.0389
3.000	.0341	.0594	.0490

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE13) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0196	.0109	.0034
2.000	.1113	.0542	.0311
3.000	.0425	.0173	.0314

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0068	.0022	-.0008
2.000	.0734	.0224	.0176
3.000	.0217	.0134	.0216

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0021	-.0050	-.0048
2.000	.0132	.0158	.0041
3 000	.0085	.0055	.0024

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0101	-.0112	-.0119
2.000	.0050	.0114	-.0011
3.000	.0008	.0064	-.0010

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE13)

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0041	.0034	.0035
2.000	.0137	.0162	.0173
3.000	.0125	.0118	.0175

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0234	.0103	-.0000
2.000	.0927	.0462	.0251
3.000	.0383	.0352	.0254

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0040	-.0063	-.0114
2.000	.0190	.0149	.0030
3.000	.0053	.0455	.0042

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0166	-.0122	-.0177
2.000	-.0078	.0045	-.0038
3.000	-.0087	.0782	.0010

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE15) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0209	.0109	.0038
2.000	.1119	.0524	.0320
3.000	.0437	.0221	.0320

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0008	-.0011	-.0045
2.000	.0199	.0218	.0048
3.000	.0110	0220	.0048

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0071	.0062	.0059
2.000	.0174	.0203	.0174
3.000	.0160	.0256	.0234

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE16) (1' NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290 3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0211	.0129	.0045
2.000	.0946	.0509	.0256
3.000	.0396	.0491	.0262

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	0084	.0004	-.0044
2.000	.0499	.0215	.0112
3.000	.0181	.0553	.0123

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0027	-.0079	-.0106
2.000	.0200	.0175	-.0007
3.000	.0059	.0769	-.0003

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0103	-.0090	-.0110
2.000	.0077	.0172	-.0027
3.000	.0003	.1523	-.0028

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE16)

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0188	-.0158	-.0180
2.000	-.0063	.0168	-.0070
3.000	-.0097	.2990	-.0062

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0217	.0155	.0011
2.000	.0953	.0538	.0244
3.000	.0395	.0646	.0267

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0028	-.0082	-.0106
2.000	.0195	.0177	.0057
3.000	.0059	.0825	.0002

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0168	-.0139	-.0156
2.000	-.0101	.0150	-.0042
3.000	-.0086	.1151	-.0059

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0703	.0540	.0363
2.000	.1594	.1140	.0652
3.000	.0744	.0716	.0582

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0391	.0345	.0203
2.000	.1020	.0704	.0380
3.000	.0504	.0391	.0380

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0218	.0169	.0102
2.000	.0519	.0367	.0270
3.000	.0301	.0301	.0236

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1 000	.0126	.0110	.0072
2.000	.0334	.0261	.0202
3.000	.0201	.0195	.0170

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE18)

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0036	.0099	.0047
2.000	.0209	.0101	.0152
3.000	.0126	.0100	.0129

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0031	.0027	.0121
2.000	.0142	.0142	.0130
3.000	.0113	.0080	.0114

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0034	-.0016	.0124
2.000	.0152	.0122	.0132
3.000	.0104	.0062	.0138

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0357	.0279	.0156
2.000	.0874	.0624	.0374
3.000	.0463	.0445	.0328

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0227	.0161	.0094
2.000	0649	.0380	.0240
3.000	.0295	.0299	.0216

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0119	.0092	.0101
2.000	.0371	.0250	.0099
3.000	.0190	.0193	.0095

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0036	.0019	.0023
2.000	.0197	.0165	.0020
3.000	.0110	.0111	.0019

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE19)

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0019	.0011	.0099
2.000	.0145	.0120	.0101
3.000	.0097	.0071	.0098

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0009	.0090	.0098
2.000	.0151	.0096	.0099
3.000	.0082	.0046	.0092

ARC 3.5-198 OH3B 140C ORB WINDSHIELD (REZE20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0288	.0192	.0100
2.000	.0792	.0550	.0294
3.000	.0376	.0355	.0238

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0158	.0093	.0027
2.000	.0578	.0307	.0170
3.000	.0216	.0220	.0138

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0163	.0127	.0109
2.000	.0418	.0294	.0226
3.000	.0229	.0232	.0186

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0073	.0207	.0058
2.000	.0234	.0203	.0000
3.000	.0151	.0147	.0145

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE20)

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0013	.0004	.0009
2.000	.0167	.0133	.0007
3.000	.0097	.0071	.0005

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0004	-.0001	.0095
2.000	.0171	.0001	.0094
3.000	.0099	-.0001	-.0003

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1 8294

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0361	.0243	.0161
2.000	.1092	.0644	.0361
3.000	.0526	.0541	.0409

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3 0000
COLUMN			
1.000	.0000	.0000	.0000
2.000	.0000	.0000	.0000
3.000	.0000	.0000	.0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0121	.0056	-.0019
2.000	.0614	.0259	.0111
3.000	.0209	.0223	.0154

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0048	-.0040	-.0040
2.000	.0072	.0100	.0094
3.000	.0054	.0049	.0091

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE30)

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0046	-.0049	-.0044
2.000	.0099	.0034	.0073
3.000	.0036	.0034	0120

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0165	-.0166	-.0168
2.000	-.0010	-.0054	-.0059
3.000	-.0099	-.0110	-.0007

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE31) (05 AUG 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	15.667	RN/L =	6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0154	.0073	-.0024
2.000	.1089	.0565	.0188
3.000	.0370	.0356	.0235

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0054	-.0116	-.0123
2.000	.0170	.0120	.0049
3.000	.0039	.0051	-.0012

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE32) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0543	.0311	.0191
2.000	.1616	.1021	.0471
3.000	.0678	.0628	.0487

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0236	.0118	.0041
2.000	.0988	.0535	.0286
3 000	.0415	.0419	.0288

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1 000	.0099	.0045	-.0036
2 000	.0609	.0243	.0082
3 000	.0196	.0215	.0142

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0004	-.0082	-.0089
2.000	.0222	.0119	.0080
3.000	.0069	.0081	.0011

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE32)

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0123	-.0136	-.0132
2.000	.0056	.0052	.0007
3.000	-.0016	-.0012	-.0038

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0149	-.0167	-.0167
2.000	-.0050	-.0072	-.0033
3.000	-.0076	-.0075	-.0061

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0157	-.0170	-.0169
2.000	-.0003	-.0038	-.0068
3.000	-.0087	-.0090	-.0063

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0182	-.0155	-.0155
2.000	-.0036	-.0084	-.0074
3.000	.0000	-.0121	.0059

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0164	.0076	-.0014
2.000	.1102	.0603	.0224
3.000	.0381	.0307	.0222

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0035	-.0010	-.0060
2.000	.0691	.0206	.0069
3.000	.0147	.0154	.0128

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0116	-.0158	-.0162
2.000	.0011	.0047	-.0005
3.000	-.0031	-.0026	.0017

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0160	-.0167	-.0160
2.000	-.0072	-.0043	-.0046
3.000	-.0076	-.0093	-.0030

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0591	.0411	.0247
2.000	.1588	.0962	.0568
3.000	.0764	.0728	.0563

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0236	.0119	.0022
2.000	.0963	.0556	.0221
3.000	.0390	.0396	.0257

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0143	.0085	.0013
2.000	.0718	.0288	.0143
3.000	.0242	.0262	.0205

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0001	-.0066	-.0107
2.000	.0208	.0108	.0072
3.000	.0057	.0062	-.0003

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE34)

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0060	-.0088	-.0076
2.000	.0103	.0114	.0054
3.000	.0028	.0037	.0009

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0163	-.0147	-.0170
2.000	-.0089	-.0036	-.0048
3.000	-.0092	-.0106	-.0069

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0102	-.0123	-.0117
2.000	.0054	.0009	-.0015
3.000	-.0034	-.0040	-.0015

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0069	.0020	-.0036
2.000	.0079	.0013	.0030
3.000	.0017	-.0003	.0236

ARC 3.5-198 OH38 140C OR8 WINDSHIELD (REZE35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3 000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0259	.0145	.0016
2.000	.0998	0589	.0228
3.000	.0394	.0387	.0254

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0110	.0039	-.0046
2.000	.0765	.0252	.0151
3.000	.0192	.0216	.0113

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0053	-.0127	-.0134
2.000	.0159	.0066	.0032
3.000	.0017	.0027	-.0039

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1 000	-.0146	-.0176	-.0165
2.000	-.0013	-.0009	-.0044
3.000	-.0067	-.0064	-.0088

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE35)

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0168	-.0136	-.0171
2.000	-.0111	-.0133	-.0078
3.000	-.0105	-.0125	-.0103

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0151	-.0151	-.0166
2.000	-.0025	-.0070	-.0054
3.000	-.0095	-.0153	-.0063

ARC 3.5-198 0H38 140C ORB WINDSHIELD (REZE36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0529	.0324	.0167
2.000	.1545	.0980	.0484
3.000	.0705	.0683	.0522

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0087	.0079	-.0047
2.000	.0786	.0287	.0074
3.000	.0197	.0228	.0151

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0053	-.0016	-.0026
2.000	0293	.0168	.0129
3.000	0111	.0121	.0059

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0169	-.0163	-.0192
2.000	-.0014	-.0049	-.0059
3.000	-.0103	-.0101	-.0069

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE36)

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0123	-.0125	-.0127
2.000	.0023	-.0020	-.0010
3.000	-.0051	- 0068	.0080

ARC 3.5-198 OH38 140C ORB WINDSHIELD (REZE37) (05 AUG 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	22.333	RN/L =	6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0464	.0281	.0164
2.000	.1860	.1108	.0494
3.000	.0684	.0665	.0533

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0178	0098	.0005
2.000	.1271	.0626	.0245
3.000	.0416	.0401	.0286

ARC 3.5-198 0H38 140C ORB WINDSHIELD (REZE38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0151	.0082	-.0016
2.000	.1092	.0577	.0177
3.000	.0361	.0341	.0234

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0016	-.0010	-.0065
2.000	.0846	.0158	.0074
3.000	.0145	.0159	.0126

ARC 3.5-198 OH38 140C ORB WINDSHIELD (XEZE03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0236	.0088	.0042
2.000	.0937	.0426	.0262
3.000	.0361	.0281	.0262

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0108	.0006	-.0017
2.000	.0535	.0238	.0133
3.000	.0227	.0306	.0122

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0009	-.0061	-.0068
2.000	.0214	.0194	.0014
3.000	.0054	.0406	.0011

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0126	-.0125	-.0128
2.000	.0034	.0047	-.0004
3.000	-.0014	.0044	-.0043

ARC 3.5-198 OH38 140C ORB WINDSHIELD (XEZE03)

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0175	-.0161	-.0171
2.000	-.0046	-.0010	-.0065
3.000	-.0071	.0112	-.0067

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0171	-.0170	-.0170
2.000	-.0045	-.0023	-.0063
3.000	-.0095	.0193	-.0070

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0136	-.0171	-.0163
2.000	.0017	-.0017	-.0014
3.000	-.0084	.0371	-.0018

ARC 3.5-198 OH38 140C ORB WINDSHIELD (XEZE04) (23 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	.117
ELEV-R =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0194	.0113	.0010
2.000	.1247	.0614	.0228
3.000	.0409	.0388	.0283

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0002	-.0017	-.0071
2.000	.0521	.0159	.0046
3.000	.0142	-.0013	.0124

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0041	-.0087	-.0107
2.000	.0154	.0123	.0047
3.000	.0049	-.0050	-.0007

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0163	-.0161	-.0161
2.000	.0029	.0027	-.0029
3.000	-.0020	-.0030	-.0056

ARC 3.5-198 OH38 140C ORB WINDSHIELD (XEZE04)

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0166	-.0168	-.0158
2.000	-.0046	-.0045	-.0061
3.000	-.0013	-.0020	-.0086

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0174	-.0183	-.0175
2.000	-.0026	-.0081	-.0076
3.000	-.0090	-.0080	-.0074

ARC 3.5-198 OH38 140C ORB WINDSHIELD (XEZE05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0243	.0123	.0059
2.000	.0968	.0539	.0237
3.000	.0407	.0421	.0287

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0008	-.0071	-.0076
2.000	.0224	.0125	.0080
3.000	.0074	.0085	.0019

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0103	-.0104	-.0120
2.000	.0048	.0058	-.0018
3.000	-.0008	-.0002	-.0018

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0157	-.0162	-.0164
2.000	-.0067	-.0071	-.0023
3.000	-.0074	-.0076	-.0032

ARC 3.5-198 OH38 140C ORB WINDSHIELD (XEZE05)

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0158	-.0156	-.0145
2.000	-.0009	-.0040	-.0025
3.000	-.0086	-.0089	-.0024

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0185	-.0174	-.0175
2.000	-.0037	-.0079	-.0079
3.000	-.0108	-.0119	-.0005

ARC 3.5-198 OH38 140C ORB WINDSHIELD (XEZE06) (04 OCT 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0140	.0057	.0004
2.000	.1065	.0554	.0164
3.000	.0346	.0332	.0224

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0022	-.0017	-.0044
2.000	.0579	.0245	.0202
3.000	.0165	.0183	.0105

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0071	-.0099	-.0134
2.000	.0229	.0091	.0056
3.000	.0022	.0030	-.0033

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0116	-.0125	-.0116
2.000	.0027	.0066	-.0045
3.000	-.0024	-.0011	-.0048

ARC 3.5-198 OH38 140C ORB WINDSHIELD (XEZE11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0534	.0323	.0178
2.000	.1646	.1047	.0510
3.000	.0708	.0565	.0496

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1 000	.0236	.0122	.0059
2 000	.0992	.0524	.0239
3 000	.0406	.0420	.0280

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0098	.0033	-.0051
2.000	.0782	.0196	.0141
3.000	.0192	.0196	.0106

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0001	-.0082	-.0079
2.000	.0212	.0125	.0073
3.000	.0066	.0077	.0009

ARC 3.5-198 OH38 140C ORB WINDSHIELD (XEZE11)

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0113	-.0090	-.0115
2.000	.0064	.0084	-.0056
3.000	.0005	-.0010	-.0054

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0161	-.0168	-.0166
2.000	-.0069	-.0074	-.0033
3.000	-.0073	-.0075	-.0036

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0145	-.0148	-.0146
2.000	-.0001	-.0044	-.0022
3.000	-.0067	-.0083	-.0022

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0157	-.0180	-.0166
2.000	-.0030	-.0067	-.0076
3.000	-.0084	-.0104	-.0075

ARC 3.5-198 OH38 140C ORB WINDSHIELD (YEZE03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	.0243	.0162	.0027
2.000	.0971	.0561	.0225
3.000	.0400	.0400	.0276

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12810 CPSTAG = 1.8294

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0006	-.0087	-.0081
2.000	.0198	.0113	.0059
3.000	.0059	.0071	-.0005

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0124	-.0138	-.0144
2.000	.0034	.0037	-.0053
3.000	-.0028	-.0021	-.0055

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0176	-.0178	-.0154
2.000	-.0091	-.0038	-.0036
3.000	-.0099	-.0096	-.0036

ARC 3.5-198 OH38 140C ORB WINDSHIELD (YEZE03)

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0168	-.0175	-.0173
2.000	-.0016	-.0057	-.0084
3.000	-.0112	-.0105	-.0080

ARC 3.5-198 OH38 140C ORB WINDSHIELD (YEZE04) (05 AUG 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	.117
ELEV-R =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0049	-.0104	- 0101
2.000	.0087	.0112	.0057
3.000	.0039	.0047	.0061

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1)WINDSHIELD DEPENDENT VARIABLE CP

RAY	1.0000	2.0000	3.0000
COLUMN			
1.000	-.0154	-.0167	-.0158
2.000	-.0064	-.0033	-.0052
3 000	-.0076	-.0078	.0033

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8164
.030	.8337
.050	.2470
.080	.0695
100	.1661

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7734
.030	1.2636
.050	.1987
.080	.0448
.100	.1244

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7188
.030	1.2539
.050	.1990
.080	.0563
.100	.1346

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF01)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.9226
.030	1.6431
.050	.1712
.080	.0481
.100	.1164

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (REZF02) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = 0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8194
.030	.8300
.050	.2479
.080	.0696
.100	.0000

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7812
.030	1.1568
.050	.1889
.080	.0415
.100	.1165

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7198
.030	1.4910
.050	.1654
.080	.0471
.100	.1086

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8557
.030	.8490
.050	.2522
.080	.0717
.100	.1555

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8540
.030	1.0293
.050	.2382
.080	.0665
.100	.1516

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8381
.030	1.1959
.050	.2290
.080	.0734
.100	.1533

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF03)

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7878
.030	1.3357
.050	.2162
.080	.0732
.100	.1492

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7360
.030	1.4602
.050	.2028
.080	.0806
.100	.1453

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8398
.030	.8369
.050	- 0260
.080	-.1529
.100	- 0210

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8113
.030	1.0190
.050	.2114
.080	.0501
.100	.1265

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26900 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7892
.030	1.1654
.050	.2011
080	.0523
.100	.1265

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF04)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7012
.030	1.2808
.050	.1800
.080	.0367
.100	.1162

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6835
.030	1.4439
.050	.1632
.080	.0453
.100	.1046

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8563
.030	1.2124
.050	.2351
.080	.0913
.100	.1636

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8521
.030	.8703
.050	.2589
.080	.0908
.100	.1683

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7527
.030	1.4666
.050	.2112
.080	.0992
.100	.1542

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8393
.030	.8571
.050	.2368
.080	.0802
.100	.1421

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7526
.030	1.1269
.050	1917
.080	.0619
.100	.1179

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6561
.030	1.4217
.050	.1763
.080	.0772
.100	.1201

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8815
.030	.9054
.050	.2715
.080	.0907
.100	.1767

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8582
.030	1.2277
.050	.2453
.080	.0909
.100	.1695

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7691
.030	1.4911
.050	.2186
.080	.1025
.100	.1602

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF08) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8382
.030	.8614
.050	.0002
.080	-.1707
.100	-.0975

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8131
.030	1.1919
.050	.2106
.080	.0678
.100	.1366

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6823
.030	1.4398
.050	.1786
.080	.0801
.100	.1219

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (REZF09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8965
.030	.9154
.050	.2704
.080	.0928
.100	.1744

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8930
.030	1.0828
.050	.2571
.080	.0925
.100	.1709

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8066
.030	1.1890
050	.2074
.080	.0519
.100	.1322

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF09)

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7720
.030	1.3305
.050	.1937
.080	.0571
.100	.1280

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7190
.030	1.4503
.050	.1801
.080	.0655
.100	.1217

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF10) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8126
.030	.8717
.050	.2391
.080	.0690
.100	.1417

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8020
.030	1.0439
.050	.2241
.080	.0651
.100	.1373

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8060
.030	1.1819
.050	.2077
.080	.0734
.100	.1334

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF10)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7696
.030	1.3399
.050	.1951
.080	.0717
.100	.1321

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7084
.030	1.4681
.050	.1821
.080	.0753
.100	.1254

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8110
.030	.8609
.050	.2410
.080	.0639
.100	.1453

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7970
.030	1.1924
.050	.2157
.080	.0632
.100	.1401

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7177
.030	1.4472
.050	.1888
.080	.0791
.100	.1299

ARC 3.5-19B OH3B 140C ORB FUSELAGE TANGENCY LINE (REZF12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8428
.030	.8680
.050	.2354
.080	.0693
100	.1382

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8380
.030	1.0435
.050	.0000
.080	.0000
.100	.0000

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	8257
030	1.1893
.050	.2101
.080	.0602
.100	.1330

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF12)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8137
.030	1.3769
.050	.2213
.080	.0938
.100	.1549

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7641
.036	1.5042
.050	.2092
.080	.1044
.100	.1498

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF13) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BOFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8261
.030	.8728
.050	.2266
.080	.0560
.100	.1286

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8077
.030	1.0206
.050	.2075
.080	.0565
.100	.1217

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.598 P = .28230 CPSTAG = 1.8291

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7821
.030	1.1986
.050	.1918
.080	.0472
.100	.1178

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7555
.030	1.3445
.050	.1803
.080	.0538
.100	.1152

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7189
.030	1.4989
.050	.1820
.080	.0757
.100	.1239

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3 000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8197
.030	.8471
.050	.2171
.080	.0514
.100	.1211

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8013
.030	1.1749
.050	.1913
.080	.0485
.100	.1157

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7118
.030	1.4412
.050	.1644
.080	.0568
.100	.1052

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (REZF15) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8242
.030	.8661
.050	.2244
.080	.0563
.100	.1270

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7917
.030	1.1717
.050	.1937
.080	.0557
.100	.1183

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7067
.030	1.4728
050	.1825
.080	.0807
.100	.1262

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8806
.030	.8668
.050	.2365
.080	.0502
.100	.1334

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8758
.030	1.0421
.050	.2199
.080	.0491
.100	.1285

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8526
.030	1.1881
.050	.2041
.080	.0438
.100	.1239

ARC 3.5-198 OH3B 140C ORB FUSELAGE TANGENCY LINE (REZF16)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8135
.030	1.3560
.050	.1909
.080	.0417
.100	.1216

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6133
.030	1.6094
.050	.1463
.080	.0715
.100	.1048

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (REZF17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1 8292

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8649
.030	.8588
.050	.2320
.080	.0496
.100	.1304

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8392
030	1.1931
.050	.2015
.080	.0395
.100	.0000

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1 8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1 0000

X/L	
.010	.7467
.030	1.4621
.050	.1729
.080	.0502
.100	.1120

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8527
.030	.6815
.050	.2540
.080	.0760
.100	.1459

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8552
.030	.8362
.050	.2416
.080	.0706
.100	.1420

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8513
.030	1.0001
.050	2268
.080	.0468
.100	.1366

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (REZFIB)

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8326
.030	1.1604
.050	.2136
.080	.0511
.100	.1330

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7973
.030	1.3083
.050	.1999
.080	.0545
.100	.1312

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7471
.030	1.4359
.050	.1910
.080	.0746
.100	.1284

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6917
.030	1.5421
.050	.0352
.080	.0183
.100	.0181

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = ' 700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7748
.030	.7685
.050	.2119
.080	.0494
.100	.1209

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3328 P = .31500-01 CPSTAG = 1.8423

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7623
.030	.9198
.050	.2001
.080	.0388
100	.1188

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7472
.030	1.0775
.050	.1891
.080	.0439
.100	.1167

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7218
.030	1.2097
.050	.1772
.080	.0425
.100	.1144

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6579
.030	1.3263
.050	.1677
.080	.0569
.100	.1123

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6237
.030	1.3940
.050	.1570
.080	.0856
.100	.1080

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290 3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19 744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7612
.030	.7541
.050	.2036
.080	.0353
.100	.1149

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7749
.030	.9319
.050	.1927
.080	.0286
.100	.1107

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8083
.030	1.1600
.050	.2034
080	.0477
.100	.1266

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7744
.030	1.2922
.050	.1905
.080	.0436
100	.1236

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7229
.030	1.4465
.050	.1784
.080	.0577
.100	.1181

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6734
.030	1.5312
.050	.1656
.080	.0754
.100	1141

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8621
.030	.8720
.050	.2360
.080	.0578
.100	.1380

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.0000
.030	.0000
.050	.0000
.080	.0000
100	.0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
010	.8100
.030	1.0233
.050	.2031
.080	.0431
.100	.1177

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (REZF30)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7245
.030	1.4716
.050	.1793
.080	.0666
.100	.1199

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6674
.030	1.5470
.050	.1652
.080	.0902
.100	.1149

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.5702
.030	1.5874
.050	.1377
.080	.0710
.100	.0981

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8345
.030	.8603
.050	.2201
.080	.0477
.100	.1224

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8013
.030	1.1709
.050	.1878
.080	.0457
.100	.1127

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF32) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8168
.030	.6997
.050	.2300
.080	.0504
.100	.1250

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8505
.030	.8533
.050	.2242
.080	.0526
.100	.1258

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8071
.030	1.0205
.050	.2012
.080	.0360
.100	.1164

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF32)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8139
.030	1.1736
.050	.1922
.080	.0531
.100	.1163

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7767
.030	1.3158
.050	.1784
.080	.0504
.100	.1119

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7100
.030	1.4422
.050	.1627
.080	.0490
.100	.1050

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6470
.030	1.5276
.050	.1510
.080	.0594
.100	.1007

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF32)

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.5684
.030	1.5873
.050	.1353
.080	.0833
.100	.0952

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8460
.030	.8705
.050	.2222
.080	.0488
.100	.1228

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7927
.030	1.0359
.050	.1952
.080	.0374
.100	.1115

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7419
.030	1.3348
.050	.1727
.080	.0444
.100	.1077

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (REZF33)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6914
.030	1.4431
.050	1607
.080	.0556
.100	.1034

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (REZF34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8194
.030	.7091
.050	.2379
.080	.0516
.100	.1343

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8389
.030	.8525
.050	.2206
.080	.0504
.100	.1239

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8171
.030	1.0243
.050	.2067
.080	.0473
.100	.1217

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (REZF34)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8186
.030	1.1903
.050	.1943
.080	.0444
.100	.1178

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7686
.030	1.3274
.050	.1824
.080	.0469
.100	.1164

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7148
.030	1.4381
.050	.1639
.080	.0565
.100	.1054

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6519
.030	1.5320
.050	.1555
.080	.0679
.100	.1058

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF34)

ALPHA (B) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.5724
.030	1 5827
.050	.1426
.080	.0825
100	.1041

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15 667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7 320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8451
.030	.8479
.050	.2223
.080	.0405
.100	.1240

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8472
.030	1.0292
.050	.2104
.080	.0463
.100	.1224

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8108
.030	1.1792
.050	.1902
.080	.0376
.100	.1133

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (REZF35)

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7714
.030	1.3298
.050	.1756
.080	.0416
.100	.1092

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7174
.030	1.4506
.050	.1631
.080	.0509
.100	.1033

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6609
.030	1.5497
.050	.1548
.080	.0695
.100	.1030

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1 8325

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8133
.030	.6950
.050	.2298
.080	.0444
.100	.1263

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8053
.030	.9939
.050	2004
.080	0376
.100	.1154

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7964
.030	1.1914
.050	1950
.080	.0415
.100	.1197

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF36)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6404
.030	1.4980
.050	.1490
.080	.0585
.100	.0998

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.5792
.030	1.5921
.050	.1429
.080	.0808
.100	.1028

ARC 3.5 198 0H38 140C ORB FUSELAGE TANGENCY LINE (REZF37) (05 AUG 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	22.333	RN/L =	6.500

ALPHA (1) = 14.839 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8064
.030	.6976
.050	.2288
.080	.0416
.100	.1246

ALPHA (2) = 19.829 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8114
030	.8393
.050	.2138
.080	.0417
.100	.1181

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (REZF38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8049
.030	.8617
.050	.2125
.080	.0355
.100	.1166

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7952
.030	1.0185
.050	.1953
.080	.0387
.100	.1115

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (XEZF03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8055
.030	.8364
.050	.2149
.080	.0512
.100	.1204

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8094
.030	1.0070
.050	.2034
.080	.0521
.100	.1181

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7919
.030	1.1549
.050	.1902
.080	.0511
.100	.1154

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (XEZF03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7462
.030	1.3023
.050	.1753
.080	.0465
.100	.1109

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6927
.030	1.4323
.050	.1624
.080	.0576
.100	.1053

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6455
.030	1.5164
.050	.1506
.080	.0731
.100	.1044

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.5712
.030	1.5565
.050	.1383
.080	.0807
.100	.0999

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (XEZF04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8373
.030	.8568
.050	.2233
.080	.0448
.100	.1241

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8133
.030	1.0317
.050	.2009
080	.0485
100	.1157

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8003
.030	1.1754
.050	.1903
.080	.0514
.100	.1138

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (XEZF04)

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7417
.030	1.3394
.050	.1734
.080	.0448
.100	.1092

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6628
.030	1.4448
.050	.1581
.080	.0558
.100	.1018

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6212
.030	1.5227
.050	.1465
.080	.0787
.100	.0985

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (XEZF05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8344
.030	.8485
.050	.2210
.080	.0510
.100	.1243

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8163
.030	1.1868
.050	.1939
.080	.0451
.100	.1174

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7357
.030	1.3055
.050	.1770
.080	.0349
.100	.1116

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (XEZF05)

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7257
.030	1.4639
.050	.1673
.080	.0544
.100	.1077

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6253
.030	1.5161
.050	.1496
.080	.0653
100	.1004

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.5718
030	1.5681
.050	.1355
.080	.0802
.100	.0955

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (XEZF08) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8052
.030	.8522
050	.2096
080	.0342
.100	.1145

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7927
.030	1.0361
.050	.1957
.080	.0393
.100	.1119

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7633
.030	1.1544
.050	.1812
.080	.0364
.100	.1070

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (XEZF06)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7394
.030	1.3347
.050	.1726
.080	.0449
.100	.1073

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (XEZF11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8201
.030	.7021
.050	.2298
.080	.0482
.100	.1256

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8451
.030	.8577
.050	.2238
.080	.0479
.100	.1258

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8348
.030	1.0380
.050	.2063
.080	.0430
.100	.1184

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (XEZF11)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8199
.030	1.1937
.050	.1950
.080	.0455
.100	.1183

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7564
.030	1.3303
.050	.1786
.080	.0367
.100	.1128

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7234
.030	1.4590
.050	.1674
.080	.0607
.100	.1080

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6315
.030	1.5282
.050	.1514
.080	.0640
.100	.1015

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE (XEZF11)

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.5714
.030	1.5783
.050	.1380
.080	.0707
.100	.0984

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (YEZF03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8100
.030	.8443
.050	.2138
.080	.0395
.100	.1182

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.8159
.030	1.1807
.050	.1932
.080	.0401
.100	.1168

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7577
.030	1.3108
.050	.1740
.080	.0373
.100	.1092

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (YEZF03)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7166
.030	1.4434
.050	.1636
.080	.0506
.100	.1049

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6490
030	1.5196
.050	.1495
.080	.0583
.100	.0992

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE (YEZF04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29 613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.7893
.030	1.1889
.050	.1888
.080	.0366
.100	.1142

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1)FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L	
.010	.6913
.030	1.4497
.050	.1629
.080	.0594
.100	.1047

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8337						
16.000		.8094						
19.500	.8164							
20.000					.3780		.2767	
22.000		.6040						
26.000		.4834						
26.500					.3967			
32.000					.3516			
33.500		.3775						
35.500							.2481	
37.000					.2381			
39.500							.2266	
42.500			.2470		.2665			
43.500							.1685	
47.500							.1211	
51.000							.1926	
53.000				.0695				
55.500								.0985
57.000								.1908
59.000					.1661			
90.000					.0740	.1385	.0964	
95.500								.0700

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.2636						
16.000		1.1338						
19.500	.7734							
20.000					.7294		.8464	
22.000		.8540						
26.000		.6133						
26.500					.8750			
32.000					.7242			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG01)

ALPHA (2) = 29.899 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3045						
35.500							.4671	
37 000					.3620			
39.500							.3481	
42.500			.1987		.1834			
43.500							.2796	
47.500							.1583	
51.000							.0826	
53.000				.0448				
55.500								.0240
57.000								.0305
59.000					.1244			
90.000					.0288	.0450	.0651	
95.500								.0324

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.2539						
16.000		1.1487						
19.500	.7188							
20 000					.8120		.6695	
22 000		.8083						
26 000		.5553						
26.500					.7323			
32.000					.6096			
33.500		.2965						
35.500							.5443	
37.000					.3599			
39.500							.4578	
42 500			.1990		.2006			
43.500							.3052	
47.500							.1702	
51.000							.0000	
53.000				.0563				
55 500								.0000
57.000								.0000
59.000					.1346			
90.000					.0000	.0000	.0000	
95.500								.0000

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG01)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.6431						
16.000		1.4817						
19.500	.9226							
20.000					1.1941		1.1190	
22.000		.8980						
26.000		.5880						
26.500					1.0876			
32.000					.9653			
33.500		.2566						
35.500							.9516	
37.000					.4127			
39.500							.8741	
42.500			.1712		.1888			
43.500							.3646	
47.500							.1871	
51.000							.0905	
53.000				.0481				
55.500								.0288
57.000								.0327
59.000					.1164			
90.000					.0196	.0404	.0734	
95.500								.0435

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG02) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8300						
16.000		.8017						
19.500	.8194							
20.000					.3938		.2716	
22.000		.6573						
26.000		.5161						
26.500					.3846			
32.000					.3555			
33.500		.0000						
35.500							.2480	
37.000					.2403			
39.500							.2295	
42.500			.0000		.0000			
43.500							.1590	
47.500							.1004	
51.000							.0809	
53.000				.0696				
55.500								.0234
57.000								.0243
59.000					.0000			
90.000					.0469	.0662	.0523	
95.500								.0177

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1568						
16.000		1.0842						
19.500	.7812							
20.000					.6946		.5680	
22.000		.7516						
26.000		.5336						
26.500					.6456			
32.000					.5565			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG02)

ALPHA (2) = 30.030 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2969						
35.500							.4829	
37.000					.3124			
39 500							.4153	
42.500			.1889		.1721			
43.500							.2446	
47 500							.1247	
51.000							.0752	
53.000				.0415				
55.500								.0164
57.000								.0261
59.000					.1165			
90.000					.0149	.0398	.0583	
95.500								.0298

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4910						
16.000		1.3533						
19.500	.7198							
20.000					1.0718		.9397	
22.000		.8622						
26.000		.5516						
26.500					.9617			
32.000					.7961			
33.500		.2506						
35.500							.7656	
37.000					.3998			
39 500							.6461	
42 500			.1654		.1850			
43 500							.3526	
47.500							.1652	
51.000							.0873	
53.000				.0471				
55.500								.0232
57.000								.0299
59.000					.1086			
90.000					.0074	.0382	.0719	
95.500								.0430

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8490						
16.000		.8359						
19.500	.8557							
20 000					.4203		.2981	
22.000		.5211						
26.000		.4222						
26 500					.4099			
32.000					.4011			
33.500		.3760						
35 500							.2809	
37 000					.1805			
39.500							.2585	
42.500			.2522		.2036			
43 500							.1302	
47.500							.0973	
51.000							.1082	
53.000				.0717				
55 500								.0636
57.000								.0577
59.000					.1555			
90.000					.0786	.0821	.3369	
95.500								.0483

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0293						
16.000		.9853						
19.500	.8540							
20.000					.5660		.4296	
22.000		.5611						
26.000		.4302						
26 500					.5357			
32.000					.4992			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG03)

ALPHA (2) = 24.999 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3527						
35.500							.3847	
37.000					.1953			
39.500							.3433	
42.500			.2382		.2030			
43.500							.1493	
47.500							.1025	
51 000							.1030	
53.000				.0665				
55 500								.0566
57 000								.0540
59.000					.1516			
90.000					.0598	.0728	.2463	
95 500								.0514

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1959						
16.000		1.1187						
19.500	.8381							
2ᵬ 000					.7142		.5716	
22.000		.6113						
26.000		.4372						
26.500					.6685			
32.000					.6028			
33.500		.3355						
35.500							.4968	
37.000					.2086			
39.500							.4300	
42.500			.2290		.2093			
43.500							.1719	
47.500							.1104	
51.000							.1091	
53 000				.0734				
55.500								.0606
57.000								.0587
59 000					.1533			
90.000					.0531	.0735	.2791	
95.500								.0611

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG03)

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3357						
16.000		1.2343						
19.500	.7878							
20.000					.8763		.7375	
22 000		.7438						
26 000		.4985						
26.500					.8015			
32.000					.7052			
33.500		.3099						
35.500							.6207	
37.000					.2566			
39.500							.5308	
42 500			.2162		.2125			
43.500							.2023	
47.500							.1255	
51.000							.1150	
53.000				.0732				
55 500								.0600
57.000								.0605
59.000					.1492			
90.000					.0463	.0696	.2093	
95.500								.0673

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4602						
16.000		1.3301						
19.500	.7360							
20.000					1.0295		.9105	
22.000		.8016						
26.000		.5047						
26.500					.9270			
32.000					.7909			
33.500		.2870						
35.500							.7443	
37 000					.2803			
39 500							.6245	
42.500			.2028		.2174			
43.500							.2323	
47.500							.1382	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG03)

ALPHA (5) = 39.806 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.1217	
53.000				.0806				
55.500								.0632
57.000								.0639
59.000					.1453			
90 000					.0435	.0713	.1728	
95.500								.0796

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG04) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290 3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8369						
16.000		.8201						
19.500	.8398							
20.000					.4058		.2850	
22.000		.6422						
26.000		.5100						
26 500					.3957			
32 000					.3892			
33 500		.0739						
35 500							.2663	
37.000					.2346			
39 500							.2421	
42.500			-.0260		-.0422			
43 500							.1518	
47.500							.0849	
51 000							-.1367	
53 000				-.1529				
55.500								-.1009
57.000								-.1963
59 000					-.0210			
90.000					-.1300	-.1045	-.0061	
95.500								-.1058

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0190						
16.000		.9743						
19.500	.8113							
20.000					.5653		.4296	
22.000		.7189						
26.000		.5293						
26.500					.5427			
32.000					.4323			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG04)

ALPHA (2) = 25.260 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.0000						
35.500							.3855	
37.000					.2826			
39.500							.3354	
42.500			.2114		.1787			
43 500							.2111	
47.500							.1038	
51.000							.0797	
53.000				.0501				
55.500								.0238
57.000								.0315
59.000					.1265			
90.000					.0318	.0496	.0613	
95.500								.0316

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.0299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		1.1654						
16.000		1.0964						
19 500	.7892							
20 000					.7045		.5747	
22 000		.7631						
26 000		.5432						
26.500					.6564			
32 000					.5712			
33.500		.3042						
35.500							.4911	
37 000					.3166			
39 500							.4215	
42.500			.2011		.1818			
43.500							.2592	
47.500							.1309	
51.000							.0840	
53 000				.0523				
55 500								.0266
57.000								.0364
59.000					.1265			
90.000					.0254	.0507	.0694	
95.500								.0401

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG04)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.2808						
16.000		1.1722						
19.500	.7012							
20.000					.8173		.6816	
22.000		.8185						
26.000		.5579						
26.500					.7414			
32.000					.6212			
33.500		.2742						
35.500							.5533	
37.000					.3591			
39.500							.4576	
42.500			.1800		.1767			
43.500							.3024	
47.500							.1393	
51.000							.0791	
53.000				.0367				
55.500								.0184
57.000								.0273
59.000					.1162			
90.000					.0101	.0374	.0681	
95.500								.0361

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4439						
16.000		1.3000						
19.500	.6835							
20.000					1.0114		.8959	
22.000		.8738						
26.000		.5654						
26.500					.9100			
32.000					.7451			
33.500		.2454						
35.500							.7105	
37.000					.4031			
39.500							.5949	
42.500			.1632		.1778			
43.500							.3525	
47.500							.1635	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG04)

ALPHA (5) = 39.693 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0800	
53.000				.0453				
55.500								.0181
57.000								.0260
59.000					.1046			
90.000					.0035	.0344	.0695	
95.500								.0394

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE (REZG05) (23 SEP 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290 3000 IN.	ZMRP =	.0000		
SCALE =	0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	5.050
ELEV-R =	4.100	SPDBRK =	.000
BDFLAP =	.000	RN/L =	3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.2124						
16.000		1.1490						
19.500	.8563							
20 000					.7400		.6009	
22.000		.7698						
26.000		.5405						
26.500					.7002			
32.000					.6291			
33.500		.3415						
35.500							.5236	
37.000					.2846			
39.500							.4586	
42 500			.2351		.2198			
43 500							.1884	
47.500							.1220	
51.000							.1196	
53.000				.0913				
55 500								.0632
57.000								.0687
59.000					.1636			
90.000					.0641	.0827	.1008	
95.500								.0709

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8703						
16.000		.8449						
19 500	.8521							
20.000					.4365		.3167	
22.000		.5745						
26.000		.4660						
26.500					.4338			
32.000					.4110			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG05)

ALPHA (2) = 19.688 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3814						
35.500							.2999	
37.000					.1717			
39.500							.2737	
42.500			.2589		.2149			
43.500							.1328	
47 500							.1032	
51 000							.1210	
53.000				.0908				
55.500								.0692
57 000								.0705
59.000					.1683			
90.000					.0927	.0954	.0956	
95.500								.0632

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4686						
16.000		1.3292						
19.500	.7527							
20.000					1.0290		.9007	
22.000		.8252						
26.000		.5469						
26 500					.9257			
32 000					.7953			
33 500		.2950						
35 500							.7396	
37.000					.3408			
39.500							.6210	
42.500			.2112		.2250			
43.500							.2487	
47.500							.1379	
51 000							.1271	
53 000				.0992				
55 500								.0643
57.000								.0712
59.000					.1542			
90.000					.0522	.0790	.1107	
95 500								.0819

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8571						
16.000		.8383						
19.500	.8393							
20.000					.4172		.2956	
22.000		.6542						
26.000		.5190						
26.500					.4018			
32 000					.3868			
33 500		.3124						
35.500							.2813	
37.000					.2393			
39 500							.2511	
42 500			.2368		.1894			
43.500							.1533	
47 500							.0712	
51 000							.0920	
53.000				.0802				
55 500								.0396
57 000								.0430
59 000					.1421			
90 000					.0624	.0693	.0681	
95.500								.0357

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1269						
16.000		1.0464						
19.500	.7526							
20.000					.6497		.5178	
22.000		.7616						
26.000		.5286						
26.500					.5977			
32.000					.5200			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG06)

ALPHA (2) = 29.831 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2978						
35.500							.4375	
37.000					.2951			
39.500							.3719	
42.500			.1917		.1735			
43.500							.2320	
47.500							.0810	
51.000							.0750	
53.000				.0619				
55.500								.0169
57.000								.0261
59.000					.1179			
90 000					.0175	.0407	.0587	
95.500								.0297

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4217						
16.000		1.2838						
19 500	.6561							
20.000					.9835		.8681	
22.000		.8673						
26.000		.5540						
26.500					.8716			
32.000					.7240			
33.500		.2591						
35.500							.6850	
37.000					.3937			
39.500							.5592	
42.500			.1763		.1938			
43.500							.3495	
47.500							.1235	
51.000							.0960	
53 000				.0772				
55.500								.0304
57.000								.0396
59.000					.1201			
90.000					.0182	.0491	.0816	
95.500								.0538

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0595 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.9054						
16.000		.8753						
19.500	.8815							
20.000					.4580		.3320	
22.000		.6859						
26.000		.5567						
26.500					.4462			
32 000					.4174			
33.500		.3889						
35.500							.3120	
37.000					.2707			
39 500							.2870	
42.500			.2715		.2233			
43 500							.1796	
47.500							.1142	
51.000							.1282	
53.000				.0907				
55.500								.0752
57.000								.0768
59 000					.1767			
90.000					.0984	.1015	.1018	
95.500								.0691

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.2277						
16.000		1.1515						
19 500	.8582							
20.000					.7485		.6023	
22.000		.8206						
26.000		.5984						
26.500					.6958			
32.000					.6099			

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE (REZG07)

ALPHA (2) = 29.758 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3478						
35.500							.5254	
37.000					.3539			
39.500							.4568	
42.500			.2453		.2254			
43.500							.2857	
47.500							.1449	
51.000							.1269	
53.000				.0909				
55.500								.0693
57.000								.0744
59.000					.1695			
90.000					.0699	.0895	.1077	
95.500								.0773

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4911						
16.000		1.3607						
19.500	.7691							
20.000					1.0493		.9242	
22.000		.8955						
26.000		.6035						
26.500					.9430			
32.000					.7902			
33.500		.3000						
35.500							.7582	
37.000					.4220			
39.500							.6380	
42.500			.2186		.2306			
43.500							.3784	
47.500							.1571	
51.000							.1337	
53.000				.1025				
55.500								.0700
57.000								.0767
59.000					.1602			
90.000					.0575	.0850	.1173	
95.500								.0882

ARC 3.5-19B OH3B 140C ORB FUSELAGE NOSE (REZG08) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8614						
16.000		.8353						
19.500	.8382							
20.000					.4085		.2835	
22.000		.6353						
26.000		.4962						
26.500					.3952			
32.000					.3721			
33.500		.0742						
35 500							.2647	
37.000					.2222			
39 500							.2400	
42.500			.0002		-.0484			
43.500							.0685	
47 500							.0423	
51.000							-.1473	
53 000				-.1707				
55 500								-.2000
57.000								-.1968
59.000					-.0975			
90 000					-.1773	-.1705	-.1714	
95.500								-.2043

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1919						
16.000		1.1113						
19.500	.8131							
20.000					.7225		.5821	
22.000		.7746						
26.000		.5316						
26 500					.6611			
32.000					.5754			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG08)

ALPHA (2) = 29.917 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE —DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.0000						
35.500							.4952	
37.000					.3132			
39.500							.4265	
42.500			.2106		.1925			
43.500							.2449	
47.500							.0760	
51.000							.0946	
53.000				.0678				
55.500								.0356
57.000								.0450
59.000					.1366			
90.000					.0348	.0587	.0765	
95 500								.0479

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4398						
16.000		1.3222						
19 500	.6823							
20.000					1.0160		.8933	
22.000		.8553						
26.000		.5510						
26.500					.9038			
32.000					.7516			
33.500		.2624						
35.500							.7142	
37.000					.3940			
39 500							.5848	
42 500			.1786		.1961			
43.500							.3503	
47 500							.1249	
51.000							.0980	
53 000				.0801				
55.500								.0326
57 000								.0424
59 000					.1219			
90.000					.0202	.0512	.0839	
95.500								.0559

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.9154						
16.000		.8845						
19.500	.8965							
20.000					.4599		.3331	
22.000		.7044						
26 000		.5667						
26 500					.4465			
32 000					.4210			
33.500		.3950						
35.500							.3119	
37 000					.2799			
39 500							.2877	
42.500			.2704		.2222			
43.500							.1896	
47 500							.1198	
51.000							.1257	
53.000				.0928				
55 500								.0719
57 000								.0739
59 000					.1744			
90 000					.0959	.0993	.0998	
95.500								.0664

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0828						
16 000		1.0319						
19.500	.8930							
20.000					.5968		.4554	
22.000		.7942						
26.000		.6032						
26.500					.5677			
32.000					.5160			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG09)

ALPHA (2) = 24.974 MACH (1) = .7.320.

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3750						
35.500							.4103	
37.000					.3249			
39.500							.3663	
42.500			.2571		.2218			
43.500							.2325	
47.500							.1277	
51.000							.1206	
53.000				.0925				
55.500								.0664
57.000								.0715
59.000					.1709			
90.000					.0781	.0921	.1012	
95.500								.0697

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1890						
16.000		1.1046						
19.500	.8066							
20.000					.7064		.5636	
22 000		.7529						
26.000		.5332						
26.500					.6499			
32.000					.5647			
33.500		.3103						
35.500							.4815	
37.000					.3044			
39.500							.4139	
42.500			.2074		.1886			
43 500							.2424	
47.500							.1187	
51.000							.0898	
53.000				.0519				
55.500								.0319
57.000								.0374
59.000					.1322			
90.000					.0323	.0510	.0696	
95 500								.0395

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG09)

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3305						
16.000		1.2220						
19.500	.7720							
20.000					.8637		.7264	
22.000		.8039						
26.000		.5475						
26.500					.7832			
32 000					.6617			
33.500		.2865						
35.500							.6027	
37.000					.3432			
39 500							.5083	
42.500			.1937		.1916			
43.500							.2936	
47.500							.1369	
51.000							.0000	
53 000				.0571				
55.500								.0323
57.000								.0382
59.000					.1280			
90 000					.0245	.0477	.0745	
95.500								.0450

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4503						
16.000		1.3219						
19.500	.7190							
20.000					1.0044		.8845	
22.000		.8447						
26 000		.5554						
26 500					.8989			
32 000					.7460			
33.500		.2640						
35 500							.7148	
37.000					.3725			
39 500							.5936	
42.500			.1801		.1925			
43.500							.3311	
47.500							.1374	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG09)

ALPHA (5) = 40.056 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0956	
53.000				.0655				
55.500								.0319
57.000								.0389
59.000					.1217			
90.000					.0192	.0469	.0790	
95.500								.0502

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG10) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8717						
16.000		8463						
19.500	.8126							
20.000					.4226		.3018	
22.000		.6719						
26.000		.5266						
26.500					.4100			
32.000					.3842			
33 500		.0000						
35 500							.2779	
37 000					.2401			
39.500							.2522	
42.500			.2391		.1888			
43.500							.1147	
47.500							.0665	
51.000							.0915	
53.000				.0690				
55 500								.0388
57.000								.0431
59 000					.1417			
90.000					.0603	.0686	.0675	
95.500								.0351

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0439						
16.000		.9873						
19.500	.8020							
20.000					.5730		.4325	
22.000		.7260						
26.000		.5464						
26.500					.5432			
32.000					.4867			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG10)

ALPHA (2) = 24.900 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.0000						
35.500							.3833	
37.000					.2821			
39.500							.3368	
42.500			.2241		.1887			
43.500							.2087	
47.500							.0832	
51.000							.0891	
53.000				.0651				
55.500								.0334
57.000								.0407
59.000					.1373			
90.000					.0427	.0597	.0700	
95.500								.0394

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1819						
16.000		1.1019						
19.500	.8060							
20.000					.7064		.5728	
22.000		.7737						
26.000		.5636						
26.500					.6533			
32.000					.5680			
33.500		.0000						
35.500							.4884	
37.000					.3267			
39.500							.4178	
42.500			.2077		.0362			
43.500							.2700	
47.500							.1221	
51.000							.0908	
53.000				.0734				
55.500								.0334
57.000								.0424
59.000					.1334			
90.000					.0333	.0568	.0762	
95.500								.0457

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG10)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3399						
16.000		1.2224						
19.500	.7696							
20.000					.8692		.7343	
22.000		.8162						
26.000		.5656						
26.500					.7897			
32.000					.6693			
33.500		.0000						
35.500							.6032	
37.000					.3666			
39.500							.5148	
42.500			.1951		.1936			
43 500							.3119	
47.500							.1670	
51.000							.0950	
53.000				.0717				
55 500								.0350
57.000								.0445
59.000					.1321			
90.000					.0287	.0547	.0839	
95.500								.0531

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4681						
16.000		1.3312						
19.500	.7084							
20.000					1.0276		.9087	
22.000		.8552						
26.000		.5672						
26.500					.9195			
32 000					.7616			
33.500		.2644						
35.500							.7273	
37.000					.4020			
39.500							.6088	
42.500			.1821		.1974			
43.500							.3618	
47.500							.1852	

ARC 3.5-198 OH3B 140C ORB FUSELAGE NOSE (REZG10)

ALPHA (5) = 39.974 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.1008	
53.000				.0753				
55.500								.0363
57.000								.0460
59 000					.1254			
90.000					.0242	.0553	.0873	
95.500								.0595

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8609						
16.000		.8355						
19.500	.8110							
20.000					.4226		.2960	
22.000		.2815						
26.000		.2271						
26.500					.4069			
32 000					.3794			
33.500		.3549						
35 500							.2738	
37 000					.1087			
39 500							.2501	
42 500			.2410		.1909			
43.500							.0837	
47 500							.0638	
51.000							.0978	
53 000				.0639				
55.500								.0460
57.000								.0476
59 000					.1453			
90.000					.0693	.0726	.0722	
95.500								.0398

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1924						
16.000		1.1123						
19 500	.7970							
20 000					.7138		.5646	
22 000		.4209						
26.000		.3062						
26 500					.6576			
32.000					.5730			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG11)

ALPHA (2) = 29.598 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3160						
35.500							.4849	
37.000					.1493			
39.500							.4197	
42.500			.2157		.1950			
43.500							.1234	
47.500							.0803	
51.000							.0969	
53.000				.0632				
55.500								.0402
57.000								.0454
59.000					.1401			
90.000					.0410	.0595	.0775	
95.500								.0475

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4472						
16 000		1.3264						
19 500	.7177							
20 000					1.0146		.8917	
22.000		.7724						
26.000		.4998						
26.500					.9104			
32 000					.7556			
33.500		.2683						
35 500							.7229	
37.000					.2156			
39 500							.6047	
42 500			.1888		.2002			
43 500							.1848	
47 500							.1137	
51.000							.1032	
53.000				.0791				
55.500								.0400
57.000								.0475
59.000					.1299			
90.000					.0286	.0553	.0874	
95.500								.0587

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3 000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	1000	.1600	.2000	.2500
PHI								
10.000		.8680						
16.000		.8475						
19.500	.8428							
20.000					.4201		.2932	
22.000		.2862						
26.000		.2205						
26.500					.4059			
32.000					.3795			
33.500		.3549						
35.500							.2730	
37.000					.1099			
39.500							.2481	
42.500			.2354		.1861			
43.500							.0805	
47.500							.0600	
51.000							.0902	
53 000				.0693				
55 500								.0372
57.000								.0396
59.000					.1382			
90.000					.0620	.0639	.0645	
95 500								.0315

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0435						
16.000		.9939						
19.500	.8380							
20.000					.5630		.4191	
22.000		.3427						
26.000		.2512						
26.500					.5297			
32 000					.4767			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG12)

ALPHA (2) = 24.857 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.0000						
35.500							.3718	
37.000					.1238			
39.500							.3292	
42.500			.0000		.0000			
43.500							.0946	
47.500							.0630	
51.000							.0000	
53.000				.0000				
55.500								.0000
57.000								.0000
59.000					.0000			
90.000					.0000	.0000	.0000	
95.500								.0000

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1893						
16.000		1.1188						
19.500	.8257							
20.000					.7020		.5559	
22.000		.4422						
26.000		.3096						
26.500					.6502			
32.000					.5668			
33.500		.3148						
35.500							.4801	
37.000					.1495			
39.500							.4133	
42.500			.2101		.1886			
43.500							.1248	
47.500							.0710	
51.000							.0880	
53.000				.0602				
55.500								.0307
57.000								.0366
59.000					.1330			
90.000					.0322	.0521	.0697	
95.500								.0392

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG12)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	-.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3769						
16.000		1.2741						
19.500	.8137							
20.000					.9046		.7662	
22.000		.7856						
26.000		.5478						
26.500					.8212			
32.000					.7026			
33.500		.3142						
35.500							.6408	
37.000					.2072			
39 500							.5480	
42.500			.2213		.2188			
43.500							.1846	
47.500							.1304	
51.000							.1206	
53.000				.0938				
55 500								.0591
57 000								.0656
59.000					.1549			
90.000					.0524	.0754	.1020	
95.500								.0724

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5042						
16.000		1.3761						
19.500	.7641							
20.000					1.0526		.9245	
22.000		.8738						
26.000		.5874						
26 500					.9424			
32.000					.7878			
33.500		.2926						
35.500							.7539	
37.000					.2416			
39.500							.6353	
42.500			.2092		.2220			
43.500							.2188	
47.500							.1505	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG12)

ALPHA (5) = 40.004 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.1231	
53.000				.1044				
55.500								.0592
57.000								.0664
59.000					.1498			
90.000					.0474	.0747	.1066	
95.500								.0778

ARC 3.5-198 OH38 140C OR8 FUSELAGE NOSE (REZG13) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPOBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19 787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8728						
16 000		.8588						
19.500	.8261							
20 000					.4245		.2901	
22.000		.6669						
26.000		.5161						
26 500					4069			
32 000					.3784			
33 500		.2340						
35 500							.2684	
37 000					.2329			
39.500							.2442	
42 500			.2266		.1767			
43.500							.1487	
47 500							.0516	
51 000							.0791	
53.000				.0560				
55.500								.0246
57.000								0290
59.000					.1286			
90.000					.0477	.0539	.0531	
95 500								.0211

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1 0206						
16 000		.9819						
19.500	.8077							
20.000					.5658		.4175	
22.000		.7419						
26.000		.5395						
26.500					.5214			
32.000					.4677			

ARC 3.5-198 OH3B 140C ORB FUSELAGE NOSE (REZG13)

ALPHA (2) = 24.903 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2359						
35.500							.3681	
37.000					.2733			
39.500							.3252	
42 500			.2075		.1732			
43 500							.1977	
47 500							.0604	
51 000							.0745	
53 000				.0565				
55.500								.0181
57.000								.0262
59.000					.1217			
90 000					.0279	.0449	.0545	
95.500								.0243

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1986						
16 000		1.1219						
19 500	.7821							
20 000					.7291		.5820	
22.000		.7711						
26 000		.5366						
26.500					.6644			
32.000					.5723			
33 500		.2363						
35.500							.4942	
37.000					.3030			
39 500							.4242	
42.500			.1918		.1744			
43 500							.2468	
47 500							.0690	
51.000							.0760	
53 000				.0472				
55.500								.0176
57.000								.0256
59.000					.1178			
90.000					.0172	.0400	.0591	
95 500								.0294

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE (REZG13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3445						
16 000		1.2360						
19.500	.7555							
20.000					.8688		.7301	
22.000		.8468						
26.000		.5775						
26.500					.7854			
32.000					.6626			
33.500		.2384						
35.500							.5994	
37.000					.3546			
39.500							.5077	
42 500			.1803		.1785			
43.500							.2973	
47.500							.0972	
51 000							.0803	
53 000				.0538				
55 500								.0173
57 000								.0271
59 000					.1152			
90 000					.0099	.0375	.0653	
95.500								.0357

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4989						
16.000		1.3622						
19.500	.7169							
20.000					1.0505		.9211	
22.000		.8981						
26.000		.5940						
26 500					.9404			
32.000					.7781			
33.500		.2509						
35.500							.7430	
37.000					.4117			
39.500							.6204	
42 500			.1820		.1985			
43.500							.3658	
47.500							.1100	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG13)

ALPHA (5) = 39.964 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0998	
53.000				.0757				
55.500								.0340
57.000								.0438
59.000					.1239			
90.000					.0211	.0529	.0853	
95.500								.0569

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		.8471						
16.000		8292						
19.500	.8197							
20.000					.4055		.2813	
22.000		.2148						
26.000		.1580						
26.500					.3919			
32.000					.3629			
33 500		.3331						
35 500							.2583	
37 000					.0699			
39.500							.2348	
42 500			.2171		.1669			
43 500							.0522	
47.500							.0374	
51.000							.0738	
53.000				.0514				
55 500								.0213
57.000								.0232
59.000					.1211			
90 000					.0457	.0474	.0479	
95 500								.0153

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1749						
16 000		1.1073						
19.500	.8013							
20.000					.6992		.5521	
22 000		.2970						
26 000		.1928						
26 500					.6443			
32.000					.5539			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG14)

ALPHA (2) = 29.553 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2924						
35.500							.4698	
37.000					.0984			
39 500							.4057	
42.500			.1913		.1712			
43.500							.0822	
47.500							.0452	
51.000							.0723	
53 000				.0485				
55.500								.0161
57.000								.0208
59 000					.1157			
90.000					.0163	.0356	.0535	
95 500								.0236

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4412						
16.000		1.3155						
19.500	.7118							
20.000					.9966		.8753	
22.000		.4247						
26 000		.2410						
26 500					.8899			
32 000					.7361			
33 500		.2457						
35 500							.7052	
37.000					.1452			
39 500							.5924	
42.500			.1644		.1771			
43.500							.1258	
47.500							.0687	
51.000							.0792	
53 000				.0568				
55.500								.0159
57.000								.0228
59.000					.1052			
90.000					.0041	.0311	.0632	
95 500								.0337

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG15) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290 3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8661						
16.000		.8484						
19.500	.8242							
20.000					.4193		.2878	
22.000		.6609						
26.000		.5114						
26.500					.4060			
32.000					.3775			
33.500		.2343						
35.500							.2674	
37.000					.2269			
39.500							.2434	
42.500			.2244		.1735			
43.500							.1390	
47.500							.0488	
51.000							.0781	
53.000				.0563				
55.500								.0248
57.000								.0289
59.000					.1270			
90.000					.0482	.0547	.0540	
95.500								.0211

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1717						
16.000		1.0996						
19.500	.7917							
20.000					.6955		.5505	
22.000		.7645						
26.000		.5400						
26.500					.6411			
32.000					.5531			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG15)

ALPHA (2) = 29.623 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2361						
35.500							.4713	
37.000					.2959			
39.500							.4042	
42.500			.1937		.1737			
43.500							.2308	
47.500							.0628	
51.000							.0752	
53.000				.0557				
55.500								.0166
57.000								.0264
59.000					.1183			
90.000					.0172	.0412	.0583	
95.500								.0291

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		1.4728						
16.000		1.3410						
19.500	.7067							
20.000					1.0510		.9130	
22 000		.8702						
26.000		.5768						
26.500					.9406			
32.000					.7727			
33 500		.2553						
35.500							.7372	
37 000					.4100			
39.500							.6211	
42 500			.1825		.1991			
43 500							.3634	
47.500							.1138	
51.000							.1018	
53.000				.0807				
55.500								.0363
57 000								.0466
59.000					.1262			
90.000					.0245	.0561	.0874	
95 500								.0593

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = 000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1)FUSELAGE NOSE — DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8668						
16.000		.8541						
19.500	.8806							
20.000					.4164		.2867	
22.000		.7589						
26.000		.6083						
26.500					.4056			
32.000					.3820			
33.500		.3583						
35.500							.2712	
37 000					.2959			
39 500							.2505	
42.500			.2365		.1849			
43.500							.2008	
47 500							.1307	
51 000							.0857	
53 000				.0502				
55.500								.0270
57.300								.0000
59 000					.1334			
90 000					.0504	.0547	.0547	
95.500								.0000

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0421						
16.000		.9994						
19.500	.8758							
20.000					.5583		.4137	
22.000		.8473						
26.000		.6452						
26.500					.5299			
32.000					.4773			

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE (REZG16)

ALPHA (2) = 24.797 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3343						
35.500							.3705	
37.000					.3407			
39.500							.3311	
42.500			.2199		.1829			
43.500							.2504	
47.500							.1501	
51.000							.0794	
53.000				.0491				
55.500								.0211
57.000								.0259
59.000					.1285			
90.000					.0311	.0458	.0557	
95.500								.0221

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1881						
16.000		1.1264						
19.500	.8526							
20.000					.6978		.5496	
22.000		.9142						
26.000		.6631						
26.500					.6487			
32.000					.5681			
33.500		.3084						
35.500							.4757	
37.000					.3830			
39.500							.4138	
42.500			.2041		.1823			
43.500							.3027	
47.500							.1657	
51.000							.0000	
53.000				.0438				
55.500								.0186
57.000								.0000
59.000					.1239			
90.000					.0186	.0000	.0589	
95.500								.0000

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG16)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1 8291

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3560						
16.000		1.2600						
19.500	.8135							
20.000					.8845		.7434	
22.000		.9795						
26.000		.6843						
26.500					.8079			
32.000					.6811			
33.500		.2801						
35.500							.6243	
37.000					.4351			
39 500							.5346	
42 500			.1909		.1868			
43 500							.3718	
47 500							.1969	
51.000							.0870	
53 000				.0417				
55.500								.0234
57 000								.0291
59 000					.1216			
90.000					.0150	.0389	.0660	
95.500								.0355

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.6094						
16.000		1.4449						
19.500	.6133							
20 000					1.2597		1.1685	
22 000		1.0306						
26.000		.6519						
26 500					1.1097			
32.000					.8928			
33 500		.2022						
35 500							.9176	
37.000					.5144			
39 500							.7580	
42.500			.1463		.1892			
43.500							.4950	
47 500							.2336	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG16)

ALPHA (5) = 48.717 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0899	
53.000				.0715				
55.500								.0206
57.000								.0295
59.000					.1048			
90.000					.0018	.0365	.0745	
95.500								.0492

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3 000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	1000	.1600	.2000	.2500
PHI								
10.000		.8588						
16.000		.8418						
19.500	.8649							
20.000					.4091		.2832	
22.000		.7510						
26.000		.6034						
26.500					.3975			
32.000					.3734			
33 500		.3519						
35.500							.2651	
37.000					.2899			
39.500							.2442	
42 500			.2320		.1798			
43.500							.1969	
47.500							.1306	
51.000							.0830	
53.000				.0496				
55.500								.0260
57 000								.0276
59 000					.1304			
90.000					.0499	.0533	.0533	
95.500								.0183

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1931						
16.000		1.1257						
19.500	.8392							
20.000					.7052		.5596	
22.000		.9145						
26 000		.6638						
26.500					.6553			
32 000					.5702			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG17)

ALPHA (2) = 29.665 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3046						
35.500							.4830	
37.000					.3831			
39.500							.4165	
42.500			.2015		.0000			
43.500							.3065	
47.500							.1678	
51.000							.0000	
53.000				.0395				
55 500								.0000
57 000								.0000
59 000					.0000			
90.000					.0000	.0000	.0000	
95 500								.0000

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4621						
16 000		1.3396						
19.500	.7467							
20.000					1.0109		.8834	
22 000		1.0083						
26 000		.6838						
26 500					.9090			
32.000					.7530			
33 500		.2560						
35 500							.7197	
37 000					.4642			
39.500							.6033	
42 500			.1729		.1844			
43 500							.4112	
47 500							.2061	
51 000							.0853	
53.000				.0502				
55.500								.0189
57.000								.0270
59 000					.1120			
90.000					.0061	.0348	.0678	
95.500								.0377

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290 3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1 000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.6815						
16.000		.6920						
19.500	.8527							
20 000					.2866		.1735	
22.000		.6498						
26.000		.5569						
26.500					.2887			
32.000					.2828			
33 500		.3679						
35 500							.1780	
37 000					.2500			
39 500							.1694	
42 500			.2540		.1845			
43 500							.1570	
47.500							.1195	
51.000							.0959	
53 000				.0760				
55 500								.0444
57 000								.0414
59 000					.1459			
90 000					.0892	.0780	.0683	
95 500								.0339

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		.8362						
16 000		.8219						
19.500	.8552							
20.000					.3915		.2684	
22.000		.7343						
26 000		.5971						
26.500					.3868			
32.000					.3667			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZGI8)

ALPHA (2) = 19.668 MACH (1) = 10.290

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3546						
35.500							.2543	
37.000					.2904			
39.500							.2395	
42.500			.2416		.1880			
43.500							.2012	
47 500							.1380	
51.000							.0960	
53 000				.0706				
55.500								.0438
57.000								.0428
59.000					.1420			
90.000					.0665	.0669	.0661	
95.500								.0234

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0001						
16.000		.9743						
19.500	.8513							
20.000					.5349		.3906	
22 000		.8267						
26.000		.6306						
26.500					.5119			
32 000					.4599			
33.500		.3273						
35.500							.3576	
37.000					.3382			
39.500							.3216	
42.500			.2268		.1910			
43.500							.2523	
47.500							.1537	
51.000							.0951	
53.000				.0468				
55.500								.0413
57.000								.0420
59.000					.1366			
90.000					.0475	.0561	.0654	
95.500								.0350

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG18)

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1604						
16.000		1.1043						
19.500	.8326							
20.000					.6740		.5274	
22 000		.9016						
26.000		.6583						
26.500					.6285			
32.000					.5492			
33.500		.3079						
35 500							.4600	
37 000					.3840			
39.500							.4029	
42 500			.2136		.1935			
43.500							.3042	
47.500							.1749	
51.000							.0968	
53.000				.0511				
55.500								.0400
57 000								.0431
59 000					.1330			
90 000					.0373	.0512	.0684	
95.500								.0387

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3083						
16.000		1.2252						
19 500	.7973							
20.000					.8228		.6865	
22.000		.9632						
26.000		.6799						
26 500					.7528			
32.000					.6435			
33 500		.2851						
35.500							.5796	
37.000					.4253			
39 500							.4978	
42.500			.1999		.1963			
43.500							.3609	
47.500							.1974	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG18)

ALPHA (5) = 34.915 MACH (1) = 10.290

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.1018	
53.000				.0545				
55.500								.0416
57.000								.0454
59.000					.1312			
90.000					.0316	.0505	.0743	
95.500								.0448

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4359						
16.000		1.3209						
19 500	.7471							
20.000					.9880		.8675	
22.000		1.0137						
26 000		.6903						
26.500					.8981			
32.000					.7417			
33.500		.2655						
35 500							.7090	
37 000					.4818			
39.500							.6002	
42.500			.1910		.2064			
43.500							.4234	
47.500							.2273	
51.000							.1072	
53.000				.0746				
55.500								.0432
57.000								.0474
59.000					.1284			
90.000					.0259	.0491	.0795	
95.500								.0510

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG18)

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5421						
16.000		1.4118						
19.500	.6917							
20.000					1.1278		1.0212	
22.000		1.0433						
26.000		.6827						
26 500					1.0110			
32.000					.8253			
33.500		.0504						
35 500							.8222	
37.000					.5116			
39 500							.6921	
42.500			.0352		.0237			
43 500							.4742	
47.500							.2465	
51.000							.0082	
53.000				.0183				
55.500								.0059
57.000								.0051
59 000					.0181			
90.000					.0077	.0096	.0072	
95.500								.0055

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5 050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.7685						
16.000		.7491						
19.500	.7748							
20.000					.3575		.2407	
22.000		.6622						
26.000		.5320						
26 500					.3488			
32.000					.3201			
33.500		.3099						
35.500							.2271	
37.000					.2572			
39.500							.2083	
42 500			.2119		.1602			
43.500							.1731	
47 500							.1149	
51 000							.0783	
53.000				.0494				
55.500								.0339
57.000								.0335
59.000					.1209			
90.000					.0573	.0551	.0543	
95.500								.0262

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		.9198						
16.000		.9004						
19.500	.7623							
20.000					.4782		.3572	
22.000		.7398						
26.000		.5643						
26.500					.4527			
32.000					.4082			

ARC 3.5-198 OH39 140C ORB FUSELAGE NOSE (REZG19)

ALPHA (2) = 24.815 MACH (1) = 10.290

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2958						
35.500							.3176	
37.000					.3001			
39.500							.2821	
42.500			.2001		.1622			
43.500							.2173	
47.500							.1351	
51.000							.0764	
53.000				.0388				
55 500								.0317
57.000								.0334
59.000					.1188			
90 000					.0417	.0476	.0552	
95.500								.0284

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		1.0775						
16.000		1.0101						
19.500	.7472							
20.000					.6341		.4909	
22.000		.8034						
26.000		.5866						
26 500					.5868			
32.000					.4998			
33 500		.2744						
35.500							.4193	
37.000					.3409			
39.500							.3642	
42.500			.1891		.1680			
43.500							.2725	
47.500							.1590	
51.000							.0817	
53 000				.0439				
55.500								.0333
57.000								.0353
59 000					.1167			
90.000					.0317	.0435	.0588	
95.500								.0326

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE (REZG19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.2097						
16.000		1.1426						
19.500	.7218							
20.000					.7675		.6312	
22 000		.8599						
26.000		.6002						
26.500					.7046			
32 000					.5902			
33.500		.2509						
35.500							.5288	
37.000					.3761			
39 500							.4509	
42.500			.1772		.1716			
43.500							.3241	
47.500							.1766	
51 000							.0814	
53.000				.0425				
55 500								.0325
57.000								.0356
59.000					.1144			
90.000					.0258	.0415	.0627	
95 500								.0367

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	1000	.1600	.2000	.2500
PHI								
10.000		1.3263						
16.000		1 2174						
19.500	.6579							
20.000					.9162		.8190	
22.000		.9055						
26 000		.6043						
26 500					.8337			
32 000					.6851			
33 500		.2300						
35 500							.6407	
37.000					.4257			
39 500							.5416	
42 500			.1677		.1805			
43 500							.3833	
47 500							.1991	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG19)

ALPHA (5) = 39.975 MACH (1) = 10.290

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0920	
53.000				.0569				
55.500								.0368
57.000								.0397
59.000					.1125			
90.000					.0236	.0418	.0691	
95 500								.0442

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3940						
16.000		1.2903						
19.500	.6237							
20.000					1.0280		.9372	
22.000		.9447						
26.000		.6194						
26.500					.9187			
32.000					.7356			
33.500		.2133						
35.500							.7461	
37 000					.4506			
39.500							.6149	
42 500			.1570		.1804			
43 500							.4155	
47 500							.2091	
51 000							.0917	
53 000				.0856				
55 500								.0361
57.000								.0395
59 000					.1080			
90.000					.0205	.0419	.0718	
95.500								.0483

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE (REZG20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.7541						
16.000		.7348						
19.500	.7612							
20.000					.3463		.2335	
22.000		.6580						
26.000		.5310						
26.500					.3381			
32.000					.3127			
33 500		.3018						
35 500							.2116	
37.000					.2518			
39.500							.1937	
42.500			.2036		.1529			
43.500							.1698	
47 500							.1113	
51.000							.0709	
53.000				.0353				
55 500								.0264
57.000								.0262
59 000					.1149			
90.000					.0495	.0475	.0466	
95 500								.0180

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.9319						
16.000		.8853						
19.500	.7749							
20.000					.4706		.3440	
22.000		.7461						
26.000		.5626						
26.500					.4457			
32 000					.4011			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG20)

ALPHA (2) = 24.851 MACH (1) = 10.290

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	2000	.2500
PHI								
33.500		.2893						
35.500							.3064	
37.000					.2940			
39.500							.2730	
42.500			.1927		.1555			
43 500							.2161	
47.500							.1282	
51.000							.0687	
53.000				.0286				
55 500								.0241
57.000								.0251
59.000					.1107			
90.000					.0339	.0403	.0480	
95.500								.0209

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1600						
16.000		1.0910						
19.500	.8083							
20.000					.6686		.5298	
22.000		.8777						
26 000		.6384						
26.500					.6216			
32.000					.5343			
33.500		.2941						
35.500							.4498	
37.000					.3692			
39 500							.3939	
42.500			.2034		.1819			
43.500							.2926	
47 500							.1704	
51.000							.0900	
53.000				.0477				
55.500								.0386
57.000								.0410
59.000					.1266			
90.000					.0378	.0491	.0649	
95.500								.0382

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.2922						
16.000		1.2090						
19.500	.7744							
20.000					.8221		.6838	
22.000		.9404						
26.000		.6541						
26.500					.7443			
32.000					.6265			
33.500		.2733						
35.500							.5676	
37.000					.4132			
39.500							.4852	
42.500			.1905		.1843			
43.500							.3468	
47 500							.1896	
51 000							.0929	
53 000				.0436				
55 500								.0384
57.000								.0414
59.000					.1236			
90 000					.0298	.0466	.0686	
95.500								.0416

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4465						
16.000		1.3250						
19.500	.7229							
20.000					1.0062		.8831	
22.000		.9902						
26.000		.6605						
26 500					.9019			
32 000					.7376			
33 500		.2440						
35.500							.7075	
37.000					.4583			
39.500							.5016	
42 500			.1784		.1912			
43.500							.4089	
47.500							.2160	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG20)

ALPHA (5) = 39.932 MACH (1) = 10.290

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0992	
53.000				.0577				
55.500								0390
57.000								.0427
59 000					.1181			
90 000					.0245	.0439	.0724	
95.500								.0461

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5312						
16.000		1.3762						
19.500	.6734							
20.000					1.1060		1.0003	
22.000		1.0038						
26.000		.6503						
26.500					.9772			
32.000					.7930			
33.500		.2280						
35.500							.7952	
37.000					.4775			
39.500							.6643	
42.500			.1656		.1915			
43 500							.4423	
47.500							.2228	
51 000							.0993	
53.000				.0754				
55.500								.0386
57.000								.0420
59.000					.1141			
90 000					.0205	.0445	.0759	
95 500								.0510

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8720						
16.000		.8527						
19.500	.8621							
20.000					.4272		.3021	
22.000		.7453						
26.000		.6036						
26.500					.4118			
32.000					.3831			
33.500		.3522						
35.500							.2800	
37.000					.2949			
39.500							.2573	
42.500			.2360		.1844			
43.500							.2037	
47.500							.1372	
51.000							.0903	
53.000				.0578				
55.500								.0373
57.000								.0392
59.000					.1380			
90.000					.0615	.0636	.0640	
95.500								.0307

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.0000						
16.000		.0000						
19.500	.0000							
20.000					.0000		.0000	
22.000		.0000						
26.000		.0000						
26.500					.0000			
32.000					.0000			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG30)

ALPHA (2) = 24.590 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.0000						
35.500							.0000	
37.000					.0000			
39.500							.0000	
42.500			.0000		.0000			
43.500							.0000	
47.500							.0000	
51.000							.0000	
53.000				.0000				
55.500								.0000
57 000								.0000
59.000					.0000			
90.000					.0000	.0090	.0000	
95 500								.0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1 8292

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	1000	.1600	.2000	.2500
PHI								
10.000		1.0233						
16 000		.9690						
19 500	.8100							
20 000					.5488		.4077	
22 000		.8109						
26 000		.6280						
26 500					.7772			
32.000					.4550			
33 500		.3101						
35 500							.3583	
37.000					.3207			
39.500							.3158	
42.500			.2031		.1661			
43 500							.2357	
47.500							.1804	
51 000							.0696	
53.000				.0431				
55 500								.0191
57 000								.0238
59 000					.1177			
90.000					.0311	.0417	.0511	
95.500								.0308

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG30)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4716						
16.000		1.3455						
19.500	.7245							
20.000					1.0301		.9088	
22.000		1.0055						
26.000		.6697						
26.500					.9229			
32.000					.7553			
33 500		.2560						
35 500							.7336	
37.000					.4662			
39.500							.6144	
42.500			.1793		.1936			
43.500							.4197	
47 500							.2119	
51 000							.0958	
53 000				.0666				
55 500								.0329
57.000								.0384
59.000					.1199			
90.000					.0195	.0464	.0780	
95 500								.0502

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5470						
16.000		1.4011						
19 500	.6674							
20 000					1.1366		1.0341	
22.000		1.0166						
26.000		.6592						
26.500					1.0050			
32.000					.8183			
33.500		.2333						
35.500							.8143	
37 000					.4914			
39 500							.6778	
42.500			.1652		.1942			
43.500							.4527	
47.500							.2231	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG30)

ALPHA (5) = 44.091 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0960	
53.000				.0902				
55.500								.0315
57.000								.0387
59.000					.1149			
90.000					.0162	.0457	.0806	
95.500								.0542

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5874						
16.000		1.4077						
19.500	.5702							
20.000					1.2394		1.1700	
22.000		.9927						
26.000		.6361						
26 500					1.0883			
32.000					.8583			
33 500		.1893						
35 500							.8991	
37.000					.4920			
39 500							.7376	
42.500			.1377		.1790			
43 500							.4803	
47.500							.2217	
51.000							.0826	
53 000				.0710				
55.500								.0195
57 000								.0259
59 000					.0981			
90.000					.0027	.0333	.0684	
95.500								.0447

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8603						
16.000		.8341						
19.500	.8345							
20.000					.4099		.2816	
22.000		.7303						
26.000		.5834						
26.500					.3981			
32.000					.3692			
33.500		.3104						
35.500							.2631	
37.000					.2765			
39.500							.2372	
42.500			.2201		.1707			
43.500							.1899	
47.500							.1182	
51.000							.0727	
53.000				.0477				
55.500								.0191
57.000								.0229
59.000					.1224			
90.000					.0417	.0488	.0477	
95.500								.0154

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1709						
16.000		1.0968						
19.500	.8013							
20.000					.6902		.5537	
22.000		.8730						
26.000		.6321						
26.500					.6354			
32.000					.5484			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG31)

ALPHA (2) = 29.712 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2912						
35.500							.4692	
37.000					.3603			
39.500							.4042	
42 500			.1878		.1679			
43.500							.2867	
47.500							.1537	
51.000							.0697	
53.000				.0457				
55.500								.0114
57.000								.0207
59.000					.:127			
90 000					.0116	.0353	.0527	
95 500								.0235

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG32) (11 NOV 75)

REFERENCE DATA

SREF =	2690.0000	SQ.FT.	XMRP =	.0000			BETA =	.000	ELEV-L =	-40.117	
LREF =	1290.3000	IN.	YMRP =	.0000			ELEV-R =	-39.717	SPDBRK =	.000	
BREF =	1290.3000	IN.	ZMRP =	.0000			BDFLAP =	.000	RN/L =	3.000	
SCALE =	.0100										

PARAMETRIC DATA

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.6997						
16.000		.6937						
19.500	.8168							
20.000					.2877		.1760	
22.000		.6448						
26.000		.5563						
26.500					.2859			
32.000					.2737			
33.500		.3495						
35 500							.1707	
37.000					.2324			
39.500							.1587	
42.500			.2300		.1625			
43.500							.1444	
47.500							.1023	
51.000							.0770	
53.000				.0504				
55.500								.0245
57.000								.0225
59 000					.1250			
90 000					.0704	.0612	.0514	
95 500								.0166

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8533						
16.000		.8328						
19.500	.8505							
20.000					.4036		.2814	
22.000		.7294						
26.000		.5877						
26.500					.3909			
32.000					.3651			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG32)

ALPHA (2) = 19.534 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3423						
35.500							.2593	
37.000					.2782			
39.500							.2374	
42.500			.2242		.1726			
43.500							.1874	
47.500							.1217	
51 000							.0778	
53.000				.0526				
55.500								.0246
57 000								.0267
59.000					.1258			
90.000					.0494	.0521	.0518	
95.500								.0184

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0205						
16.000		.9680						
19.500	.8071							
20.000					.5418		.4078	
22.000		.8116						
26 000		.6290						
26.500					.5094			
32.000					.4551			
33.500		.3070						
35.500							.3583	
37.000					.3194			
39.500							.3164	
42.500			.2012		.1644			
43 500							.2322	
47.500							.1345	
51.000							0683	
53.000				.0360				
55.500								.0181
57.000								.0216
59.000					.1164			
90 000					.0297	.0405	.0498	
95.500								.0202

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG32)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1736						
16.000		1.0995						
19.500	.8139							
20.000					.6896		.5524	
22.000		.8753						
26.000		.6428						
26 500					.6360			
32.000					.5494			
33 500		.2925						
35 500							.4703	
37.000					.3646			
39.500							.4064	
42.500			.1922		.1708			
43 500							.2906	
47 500							.1588	
51 000							.0738	
53.000				.0531				
55.500								.0173
57 000								.0232
59.000					.1163			
90.000					.0183	.0375	.0549	
95.500								.0253

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3158						
16.000		1.2192						
19.500	.7767							
20.000					.8442		.7101	
22 000		.9369						
26 000		.6558						
26.500					.7666			
32 000					.6459			
33.500		.2696						
35.500							.5884	
37.000					.4092			
38.500							.4979	
42.500			.1784		.1740			
43 500							.3462	
47.500							.1762	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG32)

ALPHA (5) = 34.863 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0765	
53.000				.0504				
55.500								.0169
57 000								.0236
59 000					.1119			
90.000					.0106	.0344	.0601	
95.500								.0310

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P_2 = .12860 CPSTAG = 1.8302

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4422						
16.000		1.3105						
19.500	.7100							
20 000					.9907		.8780	
22 000		.9765						
26 000		.6755						
26.500					.8875			
32 000					.7263			
33 500		.2405						
35 500							.7017	
37 000					.4460			
39 500							.5904	
42 500			.1627		.1732			
43 500							.3926	
47 500							.1951	
51.000							.0788	
53.000				.0490				
55.500								.0174
57.000								.0243
59.000					.1050			
90.000					.0065	.0324	.0633	
95.500								.0354

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE (REZG32)

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5276						
16.000		1.3800						
19.500	.6470							
20.000					1.1134		1.0252	
22.000		.9914						
26.000		.6607						
26 500					.9884			
32 000					.7938			
33.500		.2124						
35.500							.8017	
37.000					.4731			
39.500							.6676	
42 500			.1510		.1781			
43.500							.4346	
47 500							.2092	
51.000							.0819	
53.000				.0594				
55.500								.0194
57 000								.0256
59.000					.1007			
90 000					.0055	.0327	.0667	
95.500								.0410

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5873						
16.000		1.4107						
19.500	.5684							
20.000					.0000		.0000	
22.000		.9619						
26.000		.6534						
26.500					.0000			
32.000					.0000			
33.500		.1840						
35 500							.8894	
37.000					.0000			
39 500							.7281	
42.500			.1353		.1746			
43.500							.0000	
47.500							.0000	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG32)

ALPHA (8) = 50.000 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0787	
53.000				.0833				
55.500								.0000
57.000								.0223
59.000					.0952			
90.000					.0024	.0000	.0661	
95.500								.0416

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE (REZG33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8705						
16.000		.8466						
19.500	.8460							
20.000					.4169		.2891	
22.000		.7432						
26.000		.5922						
26.500					.4062			
32.000					.3751			
33.500		.3125						
35.500							.2684	
37.000					.2833			
39.500							.2432	
42.500			.2222		.1717			
43.500							.1953	
47.500							.1223	
51.000							.0750	
53.000				.0488				
55.500								.0200
57.000								.0241
59.000					.1228			
90.000					.0439	.0509	.0493	
95.500								.0167

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0359						
16.000		.9768						
19.500	.7927							
20.000					.5583		.4260	
22.000		.8083						
26.000		.6237						
26.500					.5236			
32.000					.4589			

ARC 3.5-198 OH38 140C OR8 FUSELAGE NOSE (REZG33)

ALPHA (2) = 24.599 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2840						
35.500							.3724	
37.000					.3189			
39.500							.3245	
42.500			.1952		.1613			
43.500							.2365	
47.500							.1341	
51.000							.0651	
53.000				.0374				
55.500								.0127
57.000								.0190
59 000					.1115			
90 000					.0228	.0369	.0472	
95.500								.0182

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3348						
16 000		1.2213						
19 500	.7419							
20.000					.8566		.7124	
22.000		.6764						
26.000		.6171						
26.500					.7739			
32.000					.6390			
33.500		.2643						
35.500							.5841	
37.000					.4380			
39 500							.4953	
42.500			.1727		.1691			
43.500							.3806	
47 500							.2521	
51.000							.0724	
53.000				.0444				
55 500								.0124
57.000								.0211
59.000					.1077			
90.000					.0063	.0318	.0582	
95 500								.0295

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG33)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4431						
16.000		1.3162						
19.500	.6914							
20.000					1.0193		.8954	
22.000		.9753						
26.000		.6471						
26.500					.9127			
32 000					.7451			
33 500		.2398						
35.500							.7112	
37.000					.4510			
39.500							.5910	
42.500			.1607		.1777			
43 500							.3970	
47 500							.1923	
51.000							.0788	
53 000				.0556				
55 500								.0137
57.000								.0235
59.000					.1034			
90.000					.0017	.0327	.0645	
95.500								.0363

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG34) (11 NOV 75)

-REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.7091						
16.000		.7011						
19.500	.8194							
20.000					.2985		.1891	
22.000		.6522						
26.000		.5648						
26.500					.2978			
32 000					.2839			
33.500		.3540						
35.500							.1821	
37.000					.2429			
39.500							.1701	
42.500			.2379		.1710			
43.500							.1547	
47.500							.1132	
51 000							.0860	
53 000				.0516				
55 500								.0343
57.000								.0000
59 000					.1343			
90 000					.0794	.0694	.0603	
95.500								.0000

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8525						
16.000		.8263						
19.500	.8389							
20.000					.4041		.2825	
22.000		.7316						
26.000		.5891						
26 500					.3912			
32.000					.3616			

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE (REZG34)

ALPHA (2) = 19.440 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	1600	.2000	.2500
PHI								
33.500		.3371						
35.500							.2586	
37.000					.2805			
39 500							.2360	
42 500			.2206		.1705			
43.500							.1906	
47.500							1235	
51.000							.0764	
53.000				.0504				
55 500								.0237
57 000								.0255
59.000					.1239			
90.000					.0478	.0504	.0503	
95.500								.0174

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0243						
16.000		.9660						
19.500	.8171							
20.000					.5438		.4093	
22.000		.8162						
26.000		.6358						
26.500					.5111			
32.000					.4581			
33 500		.3150						
35.500							.3615	
37.000					.3206			
39.500							.3187	
42.500			.2067		.1709			
43.500							.2372	
47 500							.1377	
51.000							.0733	
53 000				.0473				
55.500								.0222
57.000								.0265
59.000					.1217			
90.000					.0345	.0457	.0545	
95.500								.0250

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG34)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1903						
16.000		1.1162						
19.500	.8186							
20.000					.7074		.5637	
22.000		.8949						
26 000		.6529						
26.500					.6531			
32.000					.5609			
33.500		.2951						
35.500							.4776	
37.000					.3786			
39.500							.4138	
42.500			.1943		.1748			
43.500							.2994	
47.500							.1644	
51.000							.0750	
53.000				.0444				
55.500								.0175
57.000								.0229
59.000					.1178			
90 000					.0181	.0371	.0556	
95.500								.0252

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3274						
16.000		1.2181						
19.500	.7686							
20.000					.8513		.7166	
22 000		.9465						
26 000		.6845						
26 500					.7718			
32.000					.6488			
33.500		.2724						
35.500							.5922	
37.000					.4131			
39.500							.5060	
42.500			.1824		.1771			
43.500							.3480	
47.500							.1832	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG34)

ALPHA (5) = 34.820 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0804	
53.000				.0469				
55.500								.0212
57.000								.0279
59.000					.1164			
90.000					.0152	.0381	.0638	
95.500								.0346

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4381						
16.000		1.3136						
19.500	.7148							
20.000					.9932		.8759	
22.000		.9780						
26 000		.6599						
26.500					.8905			
32 000					.7309			
33.500		.2442						
35.500							.7006	
37.000					.4490			
39.500							.5851	
42.500			.1639		.1776			
43.500							.3994	
47.500							.1974	
51.000							.0800	
53 000				.0565				
55.500								.0170
57 000								.0242
59 000					.1054			
90 000					.0048	.0320	.0635	
95.500								.0349

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG34)

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5320						
16.000		1.3753						
19.500	.6519							
20.000					1.1197		1.0255	
22.000		.9989						
26.000		.6627						
26.500					.9909			
32.000					.8018			
33.500		.2197						
35.500							.8101	
37.000					.4765			
39.500							.6726	
42.500			.1555		.1831			
43.500							.4411	
47.500							.2128	
51.000							.0866	
53.000				.0679				
55.500								.0238
57.000								.0301
59.000					.1058			
90.000					.0088	.0381	.0713	
95.500								.0457

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5827						
16.000		1.4034						
19.500	.5724							
20.000					1.2366		1.1659	
22.000		.9632						
26.000		.6611						
26.500					1.0898			
32.000					.8619			
33.500		.1898						
35.500							.9008	
37.000					.5268			
39.500							.7380	
42.500			.1426		.1815			
43.500							.5131	
47.500							.2827	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG34)

ALPHA (8) = 50.000 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0879	
53 000				.0825				
55 500								.0269
57.000								.0313
59.000					.1041			
90.000					.0133	.0385	.0738	
95.500								0498

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19 261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8479						
16 000		.8282						
19.500	.8451							
20.000					.3982		.2766	
22.000		.7322						
26.000		.5844						
26.500					.3862			
32.000					.3622			
33.500		.3398						
35 500							.2563	
37.000					.2783			
39.500							.2343	
42.500			.2223		.1702			
43.500							.1855	
47 500							.1202	
51 000							.0762	
53 000				.0405				
55.500								.0230
57.000								.0250
59 000					.1240			
90.000					.0478	.0505	.0498	
95.500								.0164

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0292						
16.000		.9826						
19.500	.8472							
20.000					.5379		.4006	
22.000		.8319						
26.000		.6364						
26.500					.5099			
32.000					.4579			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG35)

ALPHA (2) = 24.886 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3231						
35.500							.3522	
37 000					.3302			
39.500							.3128	
42.500			.2104		.1723			
43.500							.2421	
47.500							.1438	
51.000							.0728	
53.000				.0463				
55.500								.0186
57.000								.0232
59.000					.1224			
90.000					.0299	.0437	.0525	
95.500								.0207

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1792						
16.000		1.1073						
19.500	.8108							
20 000					6933		.5519	
22 000		.8855						
26.000		.6420						
26.500					.6401			
32.000					.5495			
33.500		.2884						
35.500							.4699	
37.000					.3653			
39.500							.4042	
42 500			.1902		.1686			
43 500							.2913	
47 500							.1543	
51.000							.0703	
53.000				.0376				
55.500								.0140
57.000								.0183
59.000					.1133			
90.000					.0147	.0329	.0503	
95.500								.0208

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG35)

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3298						
16.000		1.2285						
19.500	.7714							
20 000					.8614		.7249	
22.000		.9445						
26.000		.6582						
26.500					.7791			
32.000					.6515			
33.500		.2644						
35.500							.5941	
37.000					.4126			
39.500							.5057	
42.500			.1756		.1725			
43 500							.3493	
47.500							.1786	
51.000							.0750	
53.000				.0416				
55.500								.0142
57.000								.0199
59.000					.1092			
90.000					.0078	.0295	.0557	
95 500								.0262

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4506						
16.000		1.3252						
19.500	.7174							
20.000					.9998		.8819	
22.000		.9854						
26.000		.6579						
26.500					.8945			
32 000					.7347			
33 500		.2423						
35 500							.7071	
37.000					.4467			
39 500							.5888	
42 500			.1631		.1761			
43 500							.3989	
47.500							.1901	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG35)

ALPHA (5) = 39.947 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0774	
53.000				.0509				
55.500								.0140
57.000								.0205
59 000					.1033			
90.000					.0026	.0290	.0607	
95 500								.0323

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		1.5497						
16.000		1.3996						
19.500	.6609							
20.000					1.1260		1.0233	
22.000		1.0157						
26.000		.6524						
26 500					1.0007			
32 000					.8122			
33 500		.2240						
35 500							.8061	
37.000					.4777			
39.500							.6684	
42 500			.1548		.1818			
43 500							.4421	
47 500							.2067	
51.000							.0835	
53.000				.0695				
55.500								.0190
57 000								.0261
59 000					.1030			
90 000					.0029	.0340	.0686	
95.500								.0417

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.6950						
16.000		.6894						
19.500	.8133							
20.000					.2930		.1830	
22.000		.6382						
26 000		.5336						
26 500					.2892			
32 000					.2779			
33 500		.3486						
35 500							.1764	
37.000					.2320			
39.500							.1660	
42.500			.2298		.1638			
43 500							.1420	
47.500							.1035	
51 000							.0786	
53.000				.0444				
55 500								.0265
57.000								.0246
59.000					.1263			
90.000					.0718	.0623	.0531	
95.500								.0187

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.9939						
16.000		.9400						
19.500	.8053							
20.000					.5198		.3905	
22.000		.7904						
26.000		.5994						
26.500					.4887			
32.000					.4364			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG36)

ALPHA (2) = 24.838 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3096						
35.500							.3419	
37.000					.3078			
39.500							.3000	
42.500			.2004		.1607			
43.500							.2244	
47.500							.1299	
51.000							.0657	
53.000				.0376				
55.500								.0145
57.000								.0196
59.000					.1154			
90.000					.0275	.0401	.0484	
95.500								.0180

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1914						
16.000		1.1121						
19.500	.7964							
20.000					.7043		.5642	
22.000		.8786						
26.000		.6598						
26.500					.6482			
32.000					.5547			
33 500		.2884						
35 500							.4761	
37.000					.4029			
39.500							.4114	
42 500			.1950		.1738			
43 500							.3229	
47.500							.2040	
51.000							.0773	
53.000				.0415				
55.500								.0225
57.000								.0274
59 000					.1197			
90.000					.0238	.0414	.0592	
95.500								.0299

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG36)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.3318

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4980						
16.000		1.3519						
19.500	.6404							
20.000					1.1040		1.0068	
22.000		.9729						
26 000		.6287						
26.500					.9734			
32.000					.7837			
33.500		.2128						
35 500							.7916	
37 000					.4639			
39.500							.6560	
42.500			.1490		.1738			
43.500							.4304	
47.500							.2086	
51 000							.0801	
53 000				.0585				
55 500								.0180
57.000								.0240
59.000					.0998			
90 000					.0024	.0319	.0650	
95.500								.0398

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5921						
16.000		1.4172						
19.500	.5792							
20.000					1.2456		1.1658	
22.000		1.0035						
26 000		.6422						
26.500					1.0899			
32.000					.8655			
33.500		.1972						
35.500							.9006	
37.000					.5002			
39.500							.7390	
42.500			.1429		.1833			
43.500							.4843	
47.500							.2253	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZ036)

ALPHA (5) = 48.639 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	1000	.1600	.2000	.2500
PHI								
51.000							.0867	
53.000				.0808				
55.500								.0229
57.000								.0301
59.000					.1028			
90.000					.0071	.0379	.0739	
95.500								.0494

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.6976						
16.000		6851						
19.500	.8064							
20.000					.2904		.1816	
22.000		.6377						
26.000		.5484						
26.500					.2871			
32.000					.2771			
33.500		.2967						
35.500							.1726	
37 000					.2266			
39.500							.1621	
42.500			.2288		.1646			
43.500							.1411	
47.500							.1017	
51.000							.0769	
53.000				.0416				
55.500								.0229
57.000								.0221
59.000					.1246			
90.000					.0685	.0613	.0504	
95.500								.0167

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8393						
16.000		.8127						
19.500	.8114							
20.000					.3963		.2759	
22.000		.7175						
26.000		.5664						
26.500					.3800			
32.000					.3526			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG37)

ALPHA (2) = 19.629 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2965						
35.500							.2513	
37.000					.2658			
39.500							.2283	
42.500			.2138		.1617			
43 500							.1805	
47.500							.1147	
51.000							.0685	
53.000				.0417				
55.500								.0177
57 000								.0218
59.000					.1181			
90 000					.0417	.0479	.0469	
95.500								.0149

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8617						
16.000		.8268						
19.500	.8049							
20.000					.4034		.2815	
22.000		.7339						
26.000		.5941						
26.500					.3870			
32.000					.3609			
33.500		.2880						
35.500							.2571	
37.000					.2693			
39.500							.2328	
42.500			.2125		.1634			
43.500							.1825	
47.500							.1147	
51 000							.0674	
53.000				.0355				
55 500								.0162
57.000								.0205
59.000					.1166			
90.000					.0395	.0447	.0446	
95.500								.0134

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0185						
16.000		.9589						
19.500	.7952							
20.000					.5401		.4042	
22.000		.8111						
26.000		.6255						
26 500					.5050			
32.000					.4539			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (REZG38)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2874						
35.500							.3556	
37.000					.3142			
39.500							.3128	
42.500			.1953		.1624			
43.500							.2327	
47.500							.1319	
51.000							.0639	
53 000				.0387				
55.500								.0105
57.000								.0175
59 000					.1115			
90.000					.0205	.0367	.0462	
95 500								.0167

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19 694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = 13040 CPSTAG = 1.8299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		.8364						
16 000		.8157						
19 500	.8055							
20.000					.4016		.2778	
22.000		.2295						
26.000		.1736						
26 500					.3892			
32 000					.3593			
33 500		.3287						
35 500							.2567	
37 000					.0806			
39 500							.2335	
42.500			.2149		.1665			
43 500							.0612	
47 500							.0434	
51 000							.0735	
53.000				.0512				
55.500								.0223
57 000								.0243
59.000					.1204			
90.000					.0457	.0481	.0485	
95 500								.0169

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0070						
16.000		.9644						
19.500	.8094							
20.000					.5392		.4052	
22.000		.2697						
26.000		.1930						
26.500					.5091			
32.000					.4519			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG03)

ALPHA (2) = 24.885 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3120						
35.500							.3590	
37.000					.0954			
39.500							.3138	
42.500			.2034		.1669			
43.500							.0749	
47 500							.0454	
51.000							.0698	
53.000				.0521				
55.500								.0177
57.000								.0220
59.000					.1181			
90.000					.0286	.0415	.0508	
95.500								.0206

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1549						
16.000		1.0860						
19 500	.7919							
20.000					.6836		.5348	
22.000		.3282						
26.000		.2284						
26.500					.6302			
32 000					.5424			
33 500		.2876						
35.500							.4580	
37.000					.1184			
39.500							.3958	
42 500			.1902		.1690			
43.500							.0950	
47.500							.0541	
51.000							.0716	
53.000				.0511				
55.500								.0162
57.000								.0219
59 000					.1154			
90.000					.0169	.0369	.0545	
95 500								.0248

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3023						
16.000		1.2126						
19.500	.7462							
20.000					.8599		.7232	
22.000		.2765						
26.000		.1730						
26.500					.7783			
32 000					.6490			
33.500		.2599						
35.500							.6011	
37.000					.1106			
39.500							.5090	
42 500			.1753		.1727			
43.500							.0396	
47.500							.0530	
51 000							.0772	
53 000				.0465				
55.500								.0193
57.000								.0236
59.000					.1109			
90 000					.0115	.0336	.0598	
95.500								.0313

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4323						
16.000		1.3060						
19.500	.6927							
20.000					1.0103		.8898	
22.000		.3495						
26.000		.2061						
26 500					.9007			
32.000					.7407			
33.500		.2358						
35 500							.7179	
37.000					.1406			
39.500							.6004	
42.500			.1624		.1766			
43.500							.1343	
47.500							.0726	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG03)

ALPHA (5) = 39.947 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0807	
53.000				.0576				
55.500								.0193
57.000								.0244
59.000					.1053			
90.000					.0057	.0325	.0635	
95.500								.0363

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5164						
16.000		1.3671						
19 500	.6455							
20.000					1.1104		1.0052	
22.000		.5406						
26.000		.2576						
26.500					.9838			
32 000					.7963			
33 500		.2185						
35.500							.7959	
37 000					.1713			
39 500							.6624	
42.500			.1506		.1774			
43.500							.1622	
47.500							.0945	
51.000							.0817	
53.000				.0731				
55.500								.0178
57.000								.0245
59.000					.1044			
90 000					.0028	.0327	.0668	
95.500								.0406

ARC 3.5-198 OH3B 140C ORB FUSELAGE NOSE (XEZG03)

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5565						
16.000		1.3821						
19 500	.5712							
20.000					1.2120		1.1361	
22.000		.7748						
26.000		.3368						
26.500					1.0611			
32 000					.8488			
33 500		.1914						
35.500							.8853	
37.000					.1800			
39.500							.7307	
42.500			.1383		.1794			
43.500							.1803	
47.500							.0969	
51.000							.0852	
53 000				.0807				
55.500								.0217
57.000								.0280
59.000					.0999			
90 000					.0028	.0362	.0725	
95.500								.0487

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8568						
16 000		.8381						
19.500	.8373							
20.000					.4035		.2804	
22.000		.7442						
26.000		.5822						
26.500					.3927			
32.000					.3650			
33.500		.2678						
35.500							.2585	
37.000					.2747			
39.500							.2349	
42.500			.2233		.1721			
43.500							.1891	
47.500							.1196	
51.000							.0742	
53 000				.0448				
55.500								.0209
57.000								.0246
59.000					.1241			
90.000					.0438	.0514	.0502	
95.500								.0175

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	1000	.1600	.2000	.2500
PHI								
10.000		1.0317						
16.000		.9866						
19.500	.8133							
20.000					.5596		.4269	
22.000		.6999						
26.000		.5024						
26.500					.5292			
32.000					.4694			

ARC 3.5-198 OH3B 140C ORB FUSELAGE NOSE (XEZG04)

ALPHA (2) = 24.809 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2619						
35 500							.3761	
37.000					.2508			
39.500							.3299	
42.500			.2009		.1678			
43.500							.1878	
47.500							.0485	
51 000							.0698	
53 000				.0485				
55 500								.0128
57.000								.0201
59 000					.1157			
90 000					.0218	.0384	.0491	
95.500								.0188

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1754						
16.000		1.1072						
19.500	.8003							
20.000					.6921		.5591	
22.000		.7695						
26.000		.5349						
26 500					.6413			
32.000					.5524			
33.500		.2637						
36 500							.4731	
37 000					.2932			
39 500							.4071	
42.500			.1903		.1699			
43.500							.2291	
47.500							.0530	
51 000							.0704	
53 000				.0514				
55.500								.0112
57 000								.0210
59 000					.1138			
90.000					.0116	.0353	.0535	
95.500								.0239

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG04)

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3394						
16 000		1.2383						
19 500	.7417							
20.000					.8796		7410	
22 000		.7471						
26.000		.4920						
26.500					.7942			
32 000					.6642			
33 500		.2647						
35 500							.6090	
37 000					3074			
39 500							.5125	
42 500			.1734		.1730			
43.500							.2629	
47.500							.0574	
51.000							.0758	
53.000				.0448				
55 500								.0159
57 000								.0221
59.000					.1092			
90.000					.0080	.0321	.0600	
95 500								.0311

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4448						
16.000		1.3135						
19.500	.6628							
20.000					1.0284		.9005	
22 000		.7748						
26 000		.4898						
26 500					.9101			
32.000					.7502			
33 500		.2339						
35.500							.7221	
37.000					.3467			
39.500							.5950	
42.500			.1581		.1765			
43.500							.3147	
47.500							.0700	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG04)

ALPHA (5) = 39.840 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	1000	1600	.2000	.2500
PHI								
51.000							.0790	
53 000				.0558				
55 500								.0174
57 000								.0249
59.000					.1018			
90 000					.0047	.0321	.0642	
95 500								.0366

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		1.5227						
16.000		1.3713						
19.500	.6212							
20 000					1.1358		1.0256	
22.000		.8327						
26.000		.5141						
26.500					1.0040			
32 000					.8118			
33.500		.2148						
35 500							.8080	
37 000					.3843			
39.500							.6626	
42.500			.1465		.1792			
43.500							.3551	
47.500							.0963	
51.000							.0801	
53 000				.0787				
55.500								.0141
57.000								.0239
59 000					.0985			
90.000					.0001	.0327	.0688	
95.500								.0423

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3 000

ALPHA (1) = 19 496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		.8485						
16.000		.8293						
19 500	.8344							
20 000					.4053		.2816	
22 000		.7343						
26 000		.5848						
26 500					.3889			
32.000					.3623			
33 500		.3371						
35 500							.2585	
37 000					.2774			
39 500							.2373	
42.500			.2210		.1712			
43 500							.1888	
47.500							.1226	
51 000							.0774	
53 000				.0510				
55.500								.0246
57.000								.0267
59 000					.1243			
90.000					.0491	.0513	.0512	
95.500								.0182

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		1.1868						
16 000		1.1158						
19 500	.8163							
20.000					.7048		.5583	
22.000		.9047						
26 000		.6500						
26 500					.6495			
32 000					.5593			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG05)

ALPHA (2) = 29.560 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2950						
35.500							.4786	
37.000					.3757			
39.500							.4117	
42.500			.1939		.1744			
43.500							.2988	
47.500							.1619	
51.000							.0755	
53.000				.0451				
55.500								.0186
57.000								.0237
59.000					.1174			
90.000					.0188	.0383	.0561	
95.500								.0260

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3055						
16.000		1.1992						
19.500	.7357							
20.000					.8481		.7169	
22.000		.9278						
26.000		.6616						
26.500					.7675			
32.000					.6354			
33.500		.2572						
35.500							.5878	
37.000					.4083			
39.500							.4983	
42 500			.1770		.1720			
43.500							.3472	
47.500							.1792	
51.000							.0774	
53.000				.0349				
55 500								.0204
57.000								.0245
59.000					.1116			
90.000					.0141	.0343	.0597	
95 500								.0313

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG05)

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4639						
16.000		1.3331						
19.500	.7257							
20.000					1.0148		.8930	
22.000		1.0029						
26.000		.6631						
26.500					.9079			
32.000					.7412			
33.500		.2480						
35.500							.7166	
37.000					.4560			
39 500							.6037	
42.500			.1673		.1807			
43 500							.4040	
47.500							.2003	
51.000							.0827	
53.000				.0544				
55.500								.0185
57.000								.0259
59.000					.1077			
90.000					.0069	.0339	.0657	
95.500								.0368

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	2000	.2500
PHI								
10.000		1.5161						
16.000		1.3605						
19.500	.6253							
20.000					1.1118		1.0138	
22.000		.9852						
26.000		.6507						
26 500					.9855			
32.000					.7859			
33 500		.2106						
35.500							.7930	
37.000					.4686			
39.500							.6563	
42 500			.1496		.1766			
43.500							.4344	
47.500							.2071	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG05)

ALPHA (5) = 45.000 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0816	
53.000				.0653				
55.500								.0196
57.000								.0248
59.000					.1004			
90.000					.0054	.0327	.0664	
95.500								.0401

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5681						
16.000		1.3967						
19.500	.5718							
20.000					1.2236		1.1486	
22.000		.9887						
26.000		.6343						
26.500					1.0721			
32 000					.8525			
33.500		.1872						
35 500							.8840	
37.000					.4865			
39.500							.7254	
42.500			.1355		.1743			
43.500							.4700	
47.500							.2150	
51.000							.0790	
53.000				.0802				
55.500								.0168
57.000								.0236
59.000					.0955			
90.000					.0009	.0309	.0668	
95.500								.0422

ARC 3.5-198 OH38 140C_ORB FUSELAGE NOSE (XEZG06) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8522						
16.000		.8201						
19.500	.8052							
20 000					.4021		.2810	
22.000		.7186						
26.000		.5796						
26 500					.3907			
32 000					.3581			
33.500		.3219						
35 500							.2553	
37.000					.2645			
39.500							.2291	
42.500			.2096		.1604			
43.500							.1802	
47.500							.1102	
51.000							.0658	
53.000				.0342				
55.500								.0151
57.000								.0194
59.000					.1145			
90.000					.0386	.0438	.0434	
95.500								.0125

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0361						
16.000		.9777						
19.500	.7927							
20.000					.5579		.4265	
22.000		.8087						
26.000		.6243						
26.500					.5217			
32.000					.4578			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG06)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2834						
35.500							.3707	
37.000					.3183			
39.500							.3246	
42.500			.1957		.1618			
43.500							.2367	
47.500							.1340	
51.000							.0659	
53.000				.0393				
55.500								.0129
57.000								.0197
59.000					.1119			
90.000					.0227	.0369	.0471	
95.500								.0185

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1544						
16.000		1.0695						
19.500	.7633							
20.000					.6731		.5423	
22.000		.8553						
26.000		.6315						
26.500					.6220			
32.000					.5303			
33.500		.2826						
35.500							.4553	
37.000					.3472			
39.500							.3915	
42.500			.1812		.1601			
43.500							.2753	
47.500							.1457	
51.000							.0637	
53.000				.0364				
55.500								.0082
57.000								.0168
59.000					.1070			
90.000					.0097	.0318	.0486	
95.500								.0204

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG06)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1 8296

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3347						
16.000		1.2202						
19.500	.7394							
20.000					.8569		.7140	
22.000		.9307						
26.000		.6622						
26.500					.7745			
32.000					.6402			
33.500		.2637						
35.500							.5860	
37.000					.4027			
39.500							.4950	
42.500			.1726		.1696			
43.500							.3395	
47.500							.1698	
51 000							.0721	
53 000				.0449				
55 500								.0126
57.000								.0212
59.000					.1073			
90.000					.0062	.0317	.0580	
95.500								.0299

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.7021						
16.000		.6953						
19.500	.8201							
20.000					.2881		.1774	
22.000		.6425						
26.000		.5560						
26 500					.2858			
32.000					.2770			
33.500		.3524						
35.500							.1722	
37.000					.2300			
39.500							.1599	
42.500			.2298		.1637			
43.500							.1428	
47.500							.1017	
51.000							.0773	
53.000				.0482				
55.500								.0247
57.000								37.3949
59.000					.1256			
90.000					.0709	.0627	.0516	
95.500								.0000

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8577						
16.000		.8358						
19.500	.8451							
20.000					.4064		.2840	
22.000		.7353						
26.000		.5941						
26 500					.3936			
32.000					.3643			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG11)

ALPHA (2) = 19.441 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.3406						
35 500							.2617	
37.000					.2811			
39 500							.2378	
42 500			.2238		.1726			
43 500							.1926	
47.500							.1240	
51.000							.0775	
53 000				.0479				
55.500								.0248
57.000								.0264
59 000					.1258			
90.000					.0493	.0519	.0514	
95.500								.0185

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	1000	.1600	.2000	.2500
PHI								
10 000		1.0380						
16.000		.9883						
19.500	.8348							
20.000					.5398		.3998	
22.000		.8274						
26.000		.6433						
26.500					.5083			
32.000					.4532			
33 500		.3202						
35.500							.3542	
37.000					.3241			
39.500							.3108	
42 500			.2063		.1679			
43.500							.2356	
47.500							.1348	
51.000							.0683	
53.000				.0430				
55.500								.0163
57.000								.0208
59.000					.1184			
90.000					.0287	.0417	.0501	
95.500								.0189

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG11)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1937						
16.000		1.1132						
19 500	.8199							
20.000					.7034		.5611	
22.000		.8920						
26.000		.6524						
26.500					.6484			
32 000					.5592			
33.500		.2947						
35.500							.4770	
37.000					.3757			
39 500							.4127	
42.500			.1950		.1743			
43.500							.2969	
47.500							.1646	
51 000							.0756	
53 000				.0455				
55 500								.0182
57.000								.0240
59 000					.1183			
90 000					.0188	.0381	.0563	
95.500								.0262

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3303						
16 000		1.2228						
19 500	.7564							
20.000					.8646		.7305	
22.000		.9431						
26.000		.6739						
26 500					.7799			
32 000					.6503			
33 500		.2652						
35.500							.6027	
37.000					.4174			
39.500							.5091	
42.500			.1786		.1742			
43.500							.3526	
47.500							.1838	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG11)

ALPHA (5) = 34.627 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0784	
53.000				.0367				
55.500								.0200
57.000								.0250
59.000					.1128			
90.000					.0133	.0343	.0604	
95.500								.0312

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4590						
16.000		1.3354						
19.500	.7234							
20.000					1.0095		.8881	
22.000		.9929						
26.000		.6680						
26.500					.8994			
32.000					.7430			
33.500		.2481						
35.500							.7106	
37.000					.4570			
39.500							.5955	
42.500			.1674		.1796			
43.500							.4042	
47.500							.2001	
51.000							.0819	
53.000				.0607				
55.500								.0182
57.000								.0251
59.000					.1080			
90.000					.0059	.0339	.0653	
95.500								.0369

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG11)

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5282						
16 000		1.3706						
19.500	.6315							
20 000					1.1328		1.0293	
22 000		9953						
26 000		.6530						
26 500					1.0050			
32 000					.8039			
33.300		.2135						
35 500							.8099	
37 000					.4781			
39.500							.6693	
42.500			.1514		.1799			
43.500							.4461	
47 500							.2094	
51.000							.0832	
53.000				.0640				
55.500								.0201
57.000								.0260
59.000					.1015			
90 000					.0055	.0336	.0674	
95 500								.0413

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5783						
16.000		1.4049						
19.500	.5714							
20.000					1.2385		1.1576	
22.000		.9943						
26 000		.6349						
26.500					1.0871			
32.000					.8615			
33 500		.1916						
35.500							.8992	
37.000					.4918			
39.500							.7350	
42.500			.1380		.1796			
43.500							.4808	
47.500							2189.	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (XEZG11)

ALPHA (8) = 48.676 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0822	
53.000				.0707				
55.500								.0190
57.000								.0259
59 000					.0984			
90.000					.0024	.0332	.0691	
95 500								.0443

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (YEZG03) -(05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19 289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8443						
16.000		.8176						
19.500	.8100							
20.000					.3982		.2797	
22.000		.7196						
26 000		.5866						
26 500					.3833			
32.000					.3577			
33.500		.3281						
35 500							.2574	
37.000					.2679			
39.500							.2338	
42 500			.2138		.1618			
43.500							.1818	
47 500							.1125	
51 000							.0709	
53.000				.0395				
55.500								.0207
57 000								.0227
59.000					.1182			
90 000					.0458	.0480	.0474	
95.500								.0156

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1807						
16.000		1.1101						
19.500	.8159							
20.000					.7009		.5585	
22.000		.8960						
26.000		.6442						
26.500					.6462			
32.000					.5574			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (YEZG03)

ALPHA (2) = 29.494 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	2000	.2500
PHI								
33.500		.2938						
35.500							.4764	
37.000					.3736			
39.500							.4123	
42.500			.1932		.1737			
43.500							.2944	
47.500							.1629	
51.000							.0744	
53.000				.0401				
55.500								.0173
57.000								.0224
59.000					.1168			
90.000					.0181	.0367	.0543	
95.500								.0243

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.3108						
16.000		1.2075						
19.500	.7577							
20.000					.8454		.7116	
22.000		.9330						
26 000		.6664						
26.500					.7625			
32.000					.6399			
33 500		.2619						
35.500							.5862	
37.000					.4061			
39.500							.4990	
42.500			.1740		.1688			
43.500							.3421	
47.500							.1751	
51.000							.0740	
53.000				.0373				
55.500								.0161
57.000								.0219
59 000					.1092			
90.000					.0100	.0320	.0576	
95 500								.0290

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (YEZG03)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10 000		1.4434						
16.000		1.3206						
19.500	.7166							
20.000					.9971		.8772	
22 000		.9894						
26.000		.6577						
26.500					.8925			
32.000					.7316			
33.500		.2440						
35 500							.7052	
37 000					.4475			
39.500							.5883	
42 500			.1636		.1769			
43 500							.3995	
47.500							.1952	
51.000							.0792	
53.000				.0506				
55.500								.0160
57.000								.0230
59.000					.1049			
90.000					.0041	.0315	.0629	
95.500								.0348

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.5196						
16.000		1.3739						
19.500	.6490							
20 000					1.1108		1.0082	
22.000		.9914						
26.000		.6600						
26.500					.9848			
32.000					.7925			
33 500		.2144						
35.500							.7915	
37.000					.4723			
39 500							.6577	
42.500			.1495		.1749			
43.500							.4332	
47.500							.2058	

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (YEZG03)

ALPHA (5) = 44.104 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0796	
53.000				.0583				
55.500								.0158
57.000								.0234
59.000					.0992			
90 000					.0023	.0315	.0652	
95 500								.0391

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (YEZG04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1889						
16.000		1.1180						
19.500	.7893							
20.000					.7178		.5788	
22.000		.8924						
26.000		.3543						
26.500					.6601			
32.000					.5630			
33.500		.2931						
35.500							.4889	
37.000					.3693			
39.500							.4205	
42.500			.1888		.1704			
43.500							.2968	
47.500							.1586	
51.000							.0722	
53.000				.0366				
55.500								.0136
57.000								.0212
59.000					.1142			
90.000					.0139	.0359	.0543	
95.500								.0252

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4497						
16.000		1.3298						
19.500	.6913							
20.000					1.0249		.9054	
22.000		.9916						
26.000		.2993						
26.500					.9194			
32.000					.7452			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE (YEZG04)

ALPHA (2) = 39.926 MACH (1) = 7.320

SECTION (1)FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.2448						
35.500							.7169	
37.000					.4521			
39 500							.5990	
42.500			.1629		.1793			
43.500							.3999	
47.500							.1924	
51.000							.0808	
53 000				.0594				
55 500								.0145
57.000								.0238
59.000					.1047			
90.000					.0020	.0332	.0658	
95.500								.0375

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH01) (23 SEP 74)

REFERENCE DATA

SPEF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0315			
.050			.1609	.0847	
.100					.0200
.200		.0017	.0347	.0281	
.400					.0020
.497					.0002
600			-.0136	.0425	
.631				.0069	
.698			.0043		
.751					.0112
.752		-.0025			
.791				.0004	
.809			.0410		
.826	-.0039				
831		-.0033			
.878	-.0035				
.900			.0056		
.950			.0001		

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0037			
.050			.1045	.0211	
.100					-.0119
.200		-.0139	.0084	.0020	
.400					-.0153
.497					-.0159
.600			-.0112	.0875	
.631				-.0003	
.698			-.0125		
.751					-.0025
.752		-.0141			
.791				-.0140	

ARC 3 5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH01)

ALPHA (2) = 29.899 MACH (1) = 7.320

SECTION (1)WING UPPER SUPFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0316		
.826	- 0168				
831		-.0164			
.878	- 0173				
.900			-.0080		
.950			-.0152		

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	9500
X/C					
.025		.0132			
.050			.0883	.0258	
.100					.0000
.200		-.0008	.0172	.0103	
.400					.0000
.497					.0000
.600			.0000	.1186	
631				.0161	
.698			.0011		
751					.0123
752		-.0027			
.791				.0020	
.809			.0444		
.826	-.0029				
.831		-.0024			
.878	-.0027				
.900			.0066		
.950			-.0005		

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0069			
.050			.0377	-.0016	
.100					-.0151
.200		-.0141	-.0033	-.0138	
.400					-.0165

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH01)

ALPHA (4) = 40.034 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0166
600			- 0040	.1517	
.631				.0101	
.698			-.0131		
.751					.0003
.752		-.0130			
.791				-.0093	
.809			.0370		
.826	-.0159				
.831		-.0146			
878	-.0156				
.900			-.J050		
.950			-.0127		

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (REZH02) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 9.8696 P = .23650 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0164			
.050			.1328	.0673	
.100					.0026
.200		-.0157	.0105	.0062	
.400					-.0125
.497					-.0137
.600			- 0173	.0048	
.631				.0000	
.698			-.0155		
.751					-.0091
.752		-.0191			
.791				.0000	
.809			-.0171		
.826	-.0207				
.831		-.0203			
.878	-.0206				
.900			-.0196		
.950			-.0200		

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0029			
.050			.1032	.0206	
.100					-.0128
.200		-.0143	.0033	.0013	
.400					-.0130
.497					-.0128
.600			-.0154	.0659	
.631				-.0054	
.698			-.0132		
.751					-.0043
.752		-.0150			
.791				-.0121	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH02)

ALPHA (2) = 30.030 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0010		
.826	-.0157				
.831		-.0156			
878	-.0158				
.900			-.0131		
.950			-.0151		

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	4000	.6000	.8000	.9500
X/C					
.025		-.0061			
050			.0363	-.0014	
.100					-.0126
.200		-.0119	-.0038	-.0131	
.400					-.0134
.497					-.0144
.600			-.0061	.1552	
.631				.0072	
.698			-.0118		
.751					-.0020
.752		-.0110			
.791				-.0090	
.809			.0009		
.826	-.0136				
.831		-.0126			
.878	-.0132				
.900			-.0102		
.950			-.0119		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0454			
.050			.1718	.0985	
.100					.0344
.200		.0093	.0378	.0342	
.400					.0123
.497					.0133
.600			-.0164	.1045	
631				.0167	
698			.0095		
.751					.0177
.752		.0086			
.791				.0118	
.809			.0187		
.826	.0080				
.831		.0084			
.878	.0099				
.900			.0085		
.950			.0080		

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0372			
.050			.1530	.0717	
.100					.0241
.200		.0086	.0320	.0315	
.400					.0130
.497					.0133
.600			-.0153	.1490	
.631				.0165	
698			.0103		
751					.0180
.752		.0095			
.791				.0116	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH03)

ALPHA (2) = 24.999 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0183		
.826	.0095				
.831		.0091			
.878	.0095				
.900			.0103		
.950			.0107		

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0365			
.050			.1387	.0558	
.100					.0197
.200		.0130	.0298	.0320	
.400					.0166
.497					.0161
.600			-.0144	.0791	
.631				.0170	
.698			.0154		
.751					.0207
.752		.0152			
.791				.0147	
.809			.0229		
.826	.0145				
.831		.0141			
.878	.0146				
.900			.0148		
950			.0140		

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0318			
.050			.1047	.0453	
.100					.0142
.200		.0147	.0255	.0248	
.400					.0134

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH03)

ALPHA (4) = 34.916 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE -- DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					.0139
.600			-.0134	.1240	
.631				.0193	
.698			.0152		
751					.0199
.752		.0149			
.791				.0155	
.809			.0240		
.826	.0149				
.831		.0151			
.878	.0150				
.900			.0152		
.950			.0152		

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0269			
.050			.0731	.0314	
.100					.0122
.200		.0157	.0206	.0154	
.400					.0138
.497					.0140
.600			-.0090	.1768	
.631				.0242	
.698			.0163		
.751					0202
.752		.0163			
.791				.0170	
.809			.0249		
.826	.0159				
.831		.0155			
.878	.0157				
.900			.0173		
.950			.0160		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19 748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0261			
.050			.1441	.0772	
.100					.0137
.200		-.0096	.0156	.0125	
.400					-.0053
.497					-.0053
.600			-.0190	.0340	
.631				-.0035	
.698			-.0089		
.751					-.0022
.752		-.0098			
.791				-.0057	
.809			-.0057		
.826	-.0109				
.831		-.0103			
.878	-.0103				
.900			-.0098		
950			-.0099		

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0157			
.050			.1276	.0479	
.100					.0028
.200		-.0065	.0151	.0123	
.400					-.0019
.497					-.0004
.600			-.5037	.0486	
.631				.0012	
.698			-.0045		
.751					.0035
.752		-.0076			
.791				-.0040	

ARC 3.5-198 OH3B 140C ORB WING UPPER SURFACE(RT) (REZH04)

ALPHA (2) = 25.260 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0032		
.826	-.0076				
831		-.0080			
878	-.0075				
.900			-.0055		
.950			-.0069		

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0131			
050			.1146	.0311	
.100					-.0018
.200		-.0033	.0141	.0126	
.400					-.0020
.497					-.0022
.600			-.5252	.0506	
.631				.0033	
.698			-.0020		
.751					.0077
.752		-.0041			
791				-.0008	
.809			.0108		
.826	-.0046				
831		-.0046			
.878	-.0046				
.900			-.0020		
950			-.0041		

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0007			
.050			.0700	.0124	
.100					-.0144
.200		-.0123	.0006	-.0037	
.400					-.0120

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH04)

ALPHA (4) = 34.998 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0114
.600			-.0146	.0923	
.631				.0002	
698			-.0113		
.751					-.0028
.752		-.0130			
791				-.0103	
.809			-.0020		
.826	-.0133				
.831		-.0137			
.878	-.0135				
.900			-.0103		
950			-.0125		

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0070			
.050			.0370	-.0022	
.100					-.0129
.200		-.0131	-.0053	-.0139	
.400					-.0138
.497					-.0140
.600			-.0118	.0959	
.631				.0008	
.698			-.0127		
.751					-.0034
.752		-.0125			
.791				-.0102	
.809			-.0120		
.826	-.0135				
.831		-.0132			
.878	-.0143				
.900			-.0117		
.950			-.0125		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0462			
.050			.1477	.0647	
.100					.0294
.200		.0236	.0412	.0432	
.400					.0257
.497					.0260
.600			-.0072	.3391	
.631				.0385	
.698			.0250		
.751					.0318
.752		.0269			
.791				.0262	
.809			.0366		
.826	.0250				
.831		.0251			
.878	.0249				
.900			.0256		
.950			.0257		

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0589			
.050			.1916	.1133	
.100					.0488
.200		.0243	.0542	.0525	
.400					.0276
.497					.0263
600			-.0102	.2386	
.631				.0383	
.698			.0253		
.751					.0329
.752		.0251			
.791				.0264	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH05)

ALPHA (2) = 19.688 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0362		
.826	.0232				
.831		.0244			
.878	.0256				
.900			.0260		
.950			.0247		

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0374			
.050			.0844	.0420	
.100					.0226
.200		.0269	.0323	.0266	
.400					.0240
.497					.0243
.600			-.0094	.3930	
.631				.0424	
.698			.0267		
.751					.0314
.752		.0279			
.791				.0278	
.809			.0366		
.826	.0268				
.831		.0261			
.878	.0264				
.900			.0271		
.950			.0273		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0351			
.050			.1511	.0864	
.100					.0223
.200		-.0011	.0249	.0217	
.400					.0032
.497					.0031
.600			-.0197	.0784	
.631				0062	
.698			-.0002		
.751					.0046
.752		-.0005			
.791				.0010	
.809			.0040		
826	.0031				
831		-.0015			
.878	-.0005				
.900			-.0005		
.950			.0001		

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0079			
.050			.1095	.0260	
.100					-.0082
.200		-.0125	.0025	.0031	
.400					-.0094
.497					-.0092
.600			-.0185	.2311	
.631				-.0028	
698			-.0112		
751					-.0056
.752		-.0117			
.791				-.0117	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) *(REZH06)

ALPHA (2) = 29.831 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0106		
.826	-.0121				
831		-.0117			
.878	-.0115				
.900			-.0118		
.950			-.0121		

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0065			
.050			.0484	.0114	
.100					-.0041
.200		-.0007	.0023	-.0025	
.400					-.0013
497					-.0024
.600			-.0149	.2667	
.631				.0093	
.698			-.0008		
.751					.0021
.752		-.0006			
.791				-.0004	
809			.0017		
.826	-.0012				
.831		-.0009			
878	-.0012				
900			-.0008		
.950			-.0007		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0664			
.050			.1974	.1190	
.100					.0546
.200		.0304	.0611	.0584	
.400					.0344
.497					.0346
.600			-.0153	.0691	
.631				.0359	
.698			.0323		
.751					.0379
.752		.0313			
.791				.0336	
.809			.0401		
.826	.0306				
.831		.0306			
.878	.0310				
.900			.0326		
.950			.0319		

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0531			
050			.1540	.0714	
100					.0355
.200		.0299	.0470	.0486	
400					.0323
.497					.0317
.600			-.0147	.0806	
.631				.0332	
.698			.0322		
.751					.0373
.752		.0319			
791				.0317	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH07)

ALPHA (2) = 29.758 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0399		
.826	.0312				
831		.0310			
878	.0315				
.900			.0322		
.950			.0311		

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0433			
.050			.0891	.0470	
.100					.0280
.200		.0326	.0379	.0322	
.400					.0305
.497					.0306
.600			-.0138	.0904	
.631				.0351	
.698			.0323		
.751					.0367
.752		.0337			
.791				.0331	
.809			.0407		
.826	.0328				
.831		.0322			
.878	.0323				
.900			.0326		
.950			.0328		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH08) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0268			
.050			.1408	.0771	
.100					.0136
.200		-.0094	.0171	.0127	
.400					-.0042
.497					-.0040
.600			-.0192	.1266	
.631				-.0001	
.698			-.0086		
.751					-.0027
.752		-.0096			
.791				-.0075	
.809			-.0056		
.826	-.0071				
.831		-.0103			
.878	-.0097				
.900			-.0092		
.950			-.0084		

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0228			
.050			.1223	.0410	
.100					.0068
.200		.0032	.0170	.0191	
.400					.0108
.497					.0131
600			-.0190	.0307	
.631				.0134	
698			.0045		
751					.0090
752		.0000			
.791				.0052	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH08)

ALPHA (2) = 29.917 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0079		
.826	.0046				
.831		.0039			
.878	.0039				
900			.0043		
950			.0048		

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0088			
.050			.0511	.0134	
.100					.0072
.200		.0012	.0045	-.0004	
.400					.0109
.497					.0095
600			-.0099	.0713	
.631				.0034	
.698			.0010		
.751					.0044
.752		.0014			
.791				.0013	
.809			.0041		
.826	.0008				
.831		.0009			
.878	.0005				
.900			.0013		
.950			.0016		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
025		.0634			
.050			.1896	.1163	
.100					.0517
.200		.0272	.0571	.0530	
.400					.0301
.497					.0301
.600			- 0152	.1414	
.631				.0360	
698			.0293		
.751					.0347
.752		.0268			
.791				.0278	
.809			.0365		
.826	.0270				
.831		.0268			
.878	.0276				
.900			.0292		
950			.0297		

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0550			
.050			.1645	.0892	
.100					.0412
.200		.0266	.0489	.0471	
.400					.0308
497					.0299
.600			-.0156	.1798	
.631				.0358	
.698			.0288		
.751					.0351
.752		.0282			
.791				.0273	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH09)

ALPHA (2) = 24.974 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0363		
.826	.0269				
.831		.0277			
.878	.0274				
900			.0293		
.950			.0292		

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0182			
.050			.1188	.0374	
.100					.0016
.200		-.0037	.0000	.0141	
.400					-.0022
.497					-.0014
600			-.0113	.0294	
.631				-.0014	
.698			-.0025		
.751					.0036
.752		-.0024			
.791				-.0029	
.809			-.0007		
.826	-.0026				
.831		-.0029			
.878	-.0030				
.900			-.0012		
.950			-.0025		

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	4000	.6000	.8000	.9500
X/C					
.025		.0138			
.050			.0860	.0263	
.100					-.0038
.200		-.0031	.0081	.0071	
.400					-.0037

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH09)

ALPHA (4) = 34.925 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					.0000
600			-.0117	.0347	
.631				-.0010	
.698			-.0025		
.751					.0023
.752		-.0013			
.791				-.0021	
.809			-.0011		
.826	-.0025				
.831		-.0027			
.878	-.0026				
.900			-.0006		
.950			.0000		

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0087			
.050			.0542	.0123	
.100					-.0066
.200		-.0016	.0031	-.0024	
400					-.0043
497					- 0032
600			-.0116	.0438	
.631				-.0005	
698			-.0020		
751					.0026
.752		-.0007			
.791				-.0016	
.809			-.0003		
826	-.0017				
.831		-.0022			
.878	-.0024				
.900			-.0004		
.950			-.0016		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH10) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4 100 SPDBRK = 000
BDFLAP = 22 333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0333			
.050			.1516	.0846	
.100					.0218
.200		-.0004	.0248	.0215	
.400					.0034
.497					.0030
.600			- 0178	.0242	
.631				.0044	
.698			.0007		
.751					.0058
.752		.0003			
.791				.0017	
.809			.0045		
.826	-.0008				
.831		-.0009			
.878	.0054				
.900			.0006		
.950			.0013		

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0248			
.050			.1364	.0594	
.100					.0121
.200		.0006	.0192	.0186	
.400					.0068
.497					.0075
600			-.0166	.3473	
.631				.0183	
698			.0024		
.751					.0067
.752		.0023			
791				.0037	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH10)

ALPHA (2) = 24.900 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0066		
.826	.0014				
.831		.0019			
.878	.0073				
.900			.0023		
.950			.0022		

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	6000	.8000	.9500
X/C					
.025		.0216			
.050			.1209	.0400	
.100					.0053
.200		.0012	.0155	.0178	
.400					.0049
.497					.0043
.600			-.0119	.2485	
.631				.0111	
.698			.0030		
.751					.0071
.752		.0028			
.791				.0030	
.809			.0054		
.826	.0022				
.831		.0022			
.878	.0025				
.900			.1056		
.950			.0071		

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0167			
.050			.0869	.0303	
.100					.0027
.200		.0034	.0120	.0116	
.400					.0073

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH10)

ALPHA (4) = 34.930 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					.0085
.600			-.0086	.0503	
.631				.0059	
.698			.0041		
.751					.0082
.752		.0049			
.791				.0041	
.809			.0079		
.826	.0035				
.831		.0038			
.878	.0040				
.900			.0042		
.950			.0035		

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0127			
050			.0546	.0172	
.100					.0054
.200		.0058	.0092	.0037	
.400					.0061
.497					.0052
.600			-.0141	.1557	
.631				.0113	
.698			.0056		
.751					.0088
.752		.0062			
.791				.0056	
.809			.0086		
.826	.0054				
.831		.0054			
.878	.0054				
.900			.0059		
950			.0063		

ARC 3.5-19B OH3B 140C ORB WING UPPER SURFACE(RT) (REZH11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0382			
.050			1696	.0913	
.100					.0266
.200		.0021	0334	.0293	
.400					.0157
497					.0151
600			-.0102	.1931	
631				.0226	
698			.0034		
.751					.0115
.752		.0021			
.791				.0081	
.809			.0114		
.826	.0010				
.831		.0029			
.878	.0234				
.900			.0046		
.950			.0044		

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0248			
.050			1254	.0437	
.100					.0082
.200		.0024	0196	.0205	
.400					.0112
.497					.0133
600			-.0100	.3725	
.631				.0262	
.698			.0031		
.751					0137
.752		.0038			
.791				.0084	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH11)

ALPHA (2) = 29.598 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0118		
.826	.0026				
.831		.0041			
.878	.0237				
.900			.0048		
.950			.0051		

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0162			
.050			.0598	.0198	
.100					.0021
.200		.0057	.0093	.0036	
.400					.0025
.497					.0028
.600			- 0083	.5095	
.631				.0266	
.698			.0050		
.751					.0109
752		.0061			
791				.0083	
.809			.0120		
826	.0054				
.831		.0053			
.878	.0485				
.900			.0058		
.950			.0061		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZHI2) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290 3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19 711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0324			
.050			.1630	.0872	
.100					.0214
.200		-.0042	.0269	.0216	
.400					-.0002
497					.0002
600			-.0024	.1218	
631				.0060	
698			- 0032		
.751					.0067
.752		-.0049			
791				.0035	
.809			- 0025		
.826	-.0057				
.831		-.0045			
.878	-.0034				
900			- 0040		
950			-.0036		

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
025		.0238			
050			.1379	.0000	
100					.0000
.200		-.0047	.0186	.0000	
.400					.0000
.497					.0000
.600			.0000	.0000	
.631				.0000	
.698			.0000		
.751					.0057
.752		-.0040			
.791				.0000	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH12)

ALPHA (2) = 24.857 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0000		
.826	-.0043				
.831		-.0041			
.878	-.0045				
900			.0000		
.950			.0000		

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0184			
050			.1200	.0379	
100					.0014
200		-.0046	.0128	.0140	
.400					-.0004
497					-.0007
600			-.0017	.0419	
.631				-.0011	
698			-.0032		
751					.0041
.752		-.0019			
791				.0004	
909			-.0026		
826	-.0040				
831		-.0038			
878	-.0033				
900			-.0032		
950			-.0037		

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y.B	.3000	.4000	.6000	.8000	.9500
X/C					
025		.0371			
050			.1096	.0496	
100					.0202
200		.0208	.0311	.0297	
400					.0200

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH12)

ALPHA (4) = 34.915 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					.0203
.600			-.0122	.6579	
.631				.0477	
698			.0212		
751					.0266
.752		.0213			
.791				.0240	
.809			.0304		
.826	.0209				
.831		.0210			
878	.0211				
900			.0216		
.950			.0213		

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = 13010 CPSTAG = 1.8292

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0320			
.050			.0777	.0365	
.100					.0186
.200		.0222	.0268	.0209	
.400					.0191
.497					.0197
.600			-.0119	.5788	
.631				.0455	
.698			.0215		
751					.0259
752		.0227			
.791				.0240	
.809			.0313		
826	.0219				
.831		.0214			
878	.0215				
900			.0222		
950			.0224		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH13) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0234			
.050			.1388	.0730	
.100					.0095
.200		-.0134	.0122	.0097	
.400					-.0062
.497					-.0063
.600			-.0208	.1845	
.631				.0000	
.698			-.0119		
.751					-.0039
.752		-.0135			
.791				-.0020	
809			-.0124		
.826	-.0129				
831		-.0025			
878	-.0057				
.900			-.0124		
.950			-.0121		

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
025		.0124			
.050			.1170	.0441	
.100					-.0007
.200		-.0142	.0052	.0053	
.400					-.0076
497					-.0077
.600			-.0202	.1293	
.631				-.0041	
.698			-.0113		
.751					-.0053
.752		-.0122			
.791				-.0037	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH13)

ALPHA (2) = 24.903 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0116		
.826	-.0128				
.831		-.0016			
.878	-.0041				
900			-.0113		
.950			-.0114		

ALPHA (2) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	6000	.8000	.9500
X/C					
.025		.0082			
.050			.1059	.0240	
.100					-.0094
.200		-.0122	.0014	.0026	
.400					-.0084
.497					-.0085
.600			-.0163	.2363	
.631				-.0010	
.698			-.0108		
.751					-.0028
.752		-.0113			
.791				-.0040	
.809			-.0095		
826	-.0120				
.831		.0739			
878	.0147				
.900			-.0089		
.950			-.0102		

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0017			
.050			.0731	.0147	
.100					-.0135
200		-.0116	-.0031	-.0042	
.400					-.0117

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH13)

ALPHA (4) = 34.912 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0116
.600			- 0164	.1490	
.631				-.0048	
.698			-.0110		
.751					-.0075
.752		-.0111			
.791				-.0092	
809			-.0104		
.826	-.0116				
831		.0899			
.878	.0036				
.900			-.0104		
.950			-.0112		

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
025		.0111			
.050			.0549	.0151	
.100					.0003
.200		.0031	.0066	.0014	
.400					.0026
.497					.0027
600			-.0080	.3364	
.631				.0158	
698			.0038		
.751					.0064
.752		.0039			
791				.0043	
809			.0061		
826	.0034				
831		.0259			
.878	.0137				
.900			.0036		
.950			.0035		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0201			
.050			.1500	.0722	
.100					.0072
.200		-.0180	.0121	.0082	
.400					.0035
.497					.0035
.600			-.0127	.1080	
.631				.0040	
.698			-.0130		
.751					.0047
.752		-.0159			
.791				.0021	
.809			-.0082		
.826	-.0145				
.831		.0099			
.878	.0498				
.900			-.0141		
.950			-.0096		

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0068			
.050			.1067	.0223	
.100					-.0129
.200		-.0181	-.0025	-.0011	
.400					-.0054
.497					-.0056
.600			-.0158	.1623	
.631				-.0012	
.698			-.0173		
.751					-.0032
.752		-.0162			
.791				-.0023	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH14)

ALPHA (2) = 29.553 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0151		
.826	-.0169				
.831		.0052			
.878	.0602				
.900			-.0166		
.950			-.0160		

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0033			
.050			.0397	-.0020	
.100					-.0209
.200		-.0161	-.0129	-.0185	
.400					-.0183
.497					-.0186
.600			-.0140	.1526	
.631				-.0085	
.698			-.0168		
.751					-.0124
.752		-.0144			
.791				-.0154	
.809			-.0144		
.826	-.0174				
.831		.0254			
.878	.0870				
.900			-.0168		
.950			-.0170		

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (REZH15) (23 SEP 74)

REFERENCE DATA

SRFF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39 717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0251			
.050			.1387	.0741	
.100					.0106
.200		-.0107	.0126	.0080	
.400					.0077
.497					.0075
.600			-.0156	.0953	
.631				.0075	
.698			-.0062		
.751					.0087
.752		-.0078			
.791				.0056	
.809			-.0063		
.826	-.0055				
.831		.0119			
.878	.0073				
900			-.0062		
.950			-.0061		

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
025		.0082			
.050			.1070	.0256	
100					-.0073
.200		-.0106	.0014	.0024	
400					-.0006
.497					-.0005
600			-.0193	.1001	
.631				.0032	
.698			-.0100		
.751					.0013
.752		-.0094			
.791				.0003	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH15)

ALPHA (2) = 29.623 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0097		
.826	-.0093				
.831		.0089			
.878	.0025				
.900			-.0096		
.950			-.0098		

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0147			
.050			0578	.0178	
.100					.0048
.200		.0068	.0096	.0050	
.400					.0060
.497					.0062
.600			-.0166	.2623	
.631				.0164	
.698			.0066		
.751					.0104
.752		.0073			
.791				.0084	
.809			.0101		
.826	.0069				
.831		.0229			
.878	.0286				
.900			.0069		
.950			.0068		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = 000 RN/L = 3.000

ALPHA (1) = 19.592 MACH (1) = 7.320 RN/L = 3.2153 Q = 4 8360 P = .12890 CPSTAG = 1.8297

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	9500
X/C					
.025		.0134			
.050			.1579	.0710	
.100					.0044
.200		-.0190	.0094	.0110	
.400					-.0159
497					-.0165
.600			-.0154	.0440	
.631				-.0143	
.698			-.0172		
.751					-.0091
.752		-.0149			
.791				-.0156	
.809			-.0176		
.826	-.0195				
.831		-.0039			
.878	.0236				
.900			-.0175		
950			-.0171		

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0073			
.050			.1361	.0425	
.100					-.0066
.200		-.0195	.0023	.0045	
.400					-.0166
.497					-.0172
.600			-.0158	.0937	
.631				-.0122	
.698			-.0188		
.751					-.0103
.752		-.0169			
.791				-.0171	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH16)

ALPHA (2) = 24.797 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0189		
.826	-.0203				
.831		-.0079			
.878	.0315				
900			-.0188		
.950			-.0191		

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0027			
.050			.1068	.0206	
100					-.0158
.200		-.0179	-.0045	-.0007	
.400					.0000
.497					.0000
.600			-.0154	.3764	
.631				.0005	
.698			-.0176		
751					-.0118
752		-.0158			
.791				-.0169	
.809			-.0178		
.826	-.0189				
831		-.0081			
878	.0546				
900			-.0185		
.950			-.0190		

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
025		-.0018			
.050			.0722	.0130	
.100					-.0181
.200		-.0167	-.0065	-.0076	
.400					-.0181

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH16)

ALPHA (4) = 34.753 MACH (1) = 7.320

SECTION (1)WING UPPER SUPFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0182
.600			-.0132	.2746	
.631				-.0021	
698			-.0163		
.751					-.0090
.752		-.0147			
.791				-.0131	
.809			-.0142		
.826	-.0174				
.831		.0151			
.878	-.0153				
.900			-.0147		
.950			-.0139		

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0121			
.050			.0010	-.0145	
.100					-.0095
.200		-.0109	-.0107	-.0105	
.400					-.0090
.497					-.0095
.600			-.0072	.4954	
.631				.0116	
.698			-.0104		
.751					-.0049
752		-.0101			
.791				-.0070	
809			-.0093		
.826	-.0108				
.831		.0081			
878	-.0104				
.900			-.0090		
.950			-.0084		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0146			
.050			.1553	.0721	
.100					.0060
.200		-.0187	.0119	.0097	
.400					-.0130
.497					-.0127
.600			-.0148	.0505	
.631				-.0125	
.698			-.0173		
.751					-.0078
.752		-.0168			
.791				-.0146	
.809			-.0165		
.826	-.0193				
.831		.0119			
.878	-.0183				
.900			-.0172		
.950			-.0163		

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0016			
.050			.1090	.0222	
.100					.0000
.200		-.0190	-.0033	.0008	
.400					.0000
.497					.0000
.600			.0000	.0590	
631				.0000	
.698			-.0189		
.751					-.0098
.752		-.0172			
.791				.0000	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH17)

ALPHA (2) = 29.665 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0184		
.826	-.0195				
.831		.0039			
.878	-.0185				
.900			-.0183		
.950			-.0183		

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	4000	.6000	.8000	.9500
X/C					
.025		-.0095			
.050			.0378	-.0062	
.100					-.0183
.200		-.0164	-.0124	-.0156	
.400					-.0172
.497					-.0177
.600			-.0132	.1082	
631				-.0097	
698			-.0170		
.751					-.0103
.752		-.0136			
.791				-.0151	
.809			-.0185		
.826	-.0168				
.831		.0013			
.878	-.0167				
.900			-.0185		
.950			-.0178		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0482			
.050			.1504	.1189	
.100					.0370
200		.0014	.0345	.0344	
400					.0070
.497					.0013
.600			-.0013	.1476	
.631				0123	
698			-.0004		
751					.0057
.752		-.0016			
.791				.0030	
.809			-.0013		
826	-.0017				
.831		.0039			
.878	.0104				
.900			-.0017		
.950			-.0025		

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0368			
050			.1180	.0837	
.100					.0229
.200		-.0000	.0248	.0217	
.400					.0014
497					-.0014
.600			-.0009	.2369	
631				.0149	
.698			-.0006		
.751					.0056
.752		-.0005			
.791				.0018	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH18)

ALPHA (2) = 19.668 MACH (1) = 10.290

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0003		
.826	-.0011				
.831		.0046			
.878	.0060				
.900			.0007		
.950			.0013		

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0283			
.050			.1198	.0578	
.100					.0128
.200		-.0052	.0194	.0152	
.400					-.0047
.497					-.0053
.600			1.8301	.2568	
.631				.0113	
.698			-.0031		
.751					.0057
.752		-.0043			
.791				.0001	
.809			-.0032		
.826	-.0054				
.831		.0087			
.878	.0185				
.900			-.0027		
.950			-.0037		

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0223			
.050			.1076	.0409	
.100					.0048
.200		-.0050	.0144	.0127	
.400					-.0057

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH18)

ALPHA (4) = 29.651 MACH (1) = 10.290

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0054
.600			1.8318	.4225	
.631				.0190	
.698			-.0023		
.751					.0042
.752		-.0031			
.791				-.0016	
.809			-.0031		
.826	-.0042				
.831		.0033			
.878	.0123				
900			-.0035		
950			-.0035		

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0162			
.050			.0891	.0288	
100					-.0008
.200		-.0047	.0089	.0090	
.400					-.0053
.497					-.0050
.600			1.8384	.5751	
.631				.0257	
.698			-.0029		
.751					.0026
.752		-.0024			
.791				-.0000	
.809			-.0035		
826	-.0036				
.831		.0016			
.878	.0123				
.900			-.0034		
.950			-.0033		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH18)

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0146			
.050			.0661	.0199	
.100					.0007
.200		.0001	.0074	.0028	
400					.0001
.497					- 0007
.600			1.8312	.3415	
.631				.0212	
.698			.0015		
.751					.0080
.752		.0009			
.791				.0042	
.809			.0016		
.826	.0001				
.831		.0069			
878	.0183				
900			.0018		
.950			.0023		

ALPHA (7) = 44.248 MACH (1) = 10.290 PN/L = 1.5966 Q = 2 2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0124			
.050			.0435	.0060	
.100					.0030
.200		.0049	.0044	.0057	
.400					.0035
.497					.0029
.600			1.9559	.0680	
631				.0089	
.698			.0005		
.751					.0141
.752		.0044			
791				.0085	
.809			.0057		
.826	.0046				
.831		.0206			
.878	.0311				
.900			.0058		
.950			.0056		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290 3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0385			
.050			.1216	.0836	
.100					.0225
.200		-.0021	.0241	.0188	
.400					-.0011
.497					-.0042
.600			-.0009	.0476	
.631				0024	
698			-.0017		
.751					.0014
.752		-.0033			
.791				-.0016	
.809			-.0025		
.826	-.0039				
.831		.0014			
.878	-.0038				
900			-.0030		
.950			-.0038		

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0280			
.050			.1064	.0578	
.100					.0135
.200		-.0031	.0178	.0121	
.400					-.0048
.497					-.0051
.600			.0005	.0803	
.631				.0020	
.698			-.0022		
.751					.0019
.752		-.0019			
.791				-.0031	

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (REZH19)

ALPHA (2) = 24.815 MACH (1) = 10.290

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	9500
X/C					
.809			-.0030		
.826	-.0040				
.831		.0044			
.878	-.0021				
.900			- 0036		
.950			- 0037		

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0231			
.050			.0996	.0408	
.100					.0060
.200		-.0040	.0145	.0115	
.400					-.0049
.497					-.0040
600			-.0008	.7133	
.631				.0296	
.698			-.0022		
.751					.0026
.752		-.0013			
.791				.0006	
.809			-.0019		
.826	-.0030				
.831		.0044			
.878	-.0027				
.900			-.0020		
.950			-.0028		

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0179			
.050			.0854	.0273	
.100					.0001
.200		-.0035	.0088	.0068	
.400					-.0049

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH19)

ALPHA (4) = 34.884 MACH (1) = 10.290

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0040
.600			.0009	.9009	
.631				.0367	
.698			-.0013		
751					.0026
.752		-.0009			
.791				.0013	
.809			-.0022		
.826	-.0019				
.831		.0047			
.878	-.0020				
.900			-.0019		
.950			-.0023		

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0122			
.050			.0606	.0150	
.100					-.0030
.200		- 0023	.0027	-.0010	
.400					-.0030
.497					-.0024
.600			-.0235	.0948	
.631				.0040	
.698			-.0017		
.751					.0086
.752		.0008			
.791				.0044	
.809			.0019		
.826	-.0019				
.831		.0170			
.878	.0009				
.900			.0018		
.950			.0003		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH19)

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0077			
.050			.0409	.0067	
.100					-.0021
.200		-.0014	-.0007	-.0035	
.400					.0023
.497					.0021
.600			-.0241	.1345	
.631				.0079	
.698			-.0005		
.751					.0051
.752		.0003			
.791				.0020	
809			.0008		
.826	-.0001				
.831		.0088			
.878	.0031				
.900			.0010		
.950			.0009		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0325			
.050			.1131	.0762	
.100					.0154
.200		-.0054	.0166	.0153	
.400					-.0081
.497					-.0097
.600			-.0025	.0573	
.631				-.0014	
.698			-.0077		
.751					.0004
.752		-.0048			
.791				-.0038	
.809			-.0050		
.826	-.0090				
.831		.0112			
878	.0100				
.900			-.0043		
950			-.0038		

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0210			
.050			.1015	.0504	
.100					.0058
.200		-.0039	.0103	.0076	
.400					-.0053
.497					-.0069
.600			-.0017	.1281	
.631				.0037	
.698			-.0059		
.751					.0003
.752		-.0023			
.791				-.0040	

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (REZH20)

ALPHA (2) = 24.851 MACH (1) = 10.290

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0047		
.826	-.0068				
.831		.0070			
878	.0042				
900			-.0052		
.950			-.0059		

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0299			
.050			.1054	.0464	
.100					.0097
200		-.0013	.0181	.0143	
.400					-.0018
.497					-.0013
.600			.0006	.1117	
.631				.0064	
.698			.0002		
.751					.0063
.752		.0012			
791				0021	
809			.0002		
.826	-.0006				
831		.0054			
878	.0044				
900			-.0007		
.950			-.0004		

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0233			
.050			.0918	.0328	
.100					.0023
.200		-.0003	.0123	.0110	
.400					-.0015

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH20)

ALPHA (4) = 34.881 MACH (1) = 10.290

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0012
.600			.0023	.2063	
.631				.0114	
.698			.0021		
.751					.0069
.752		.0017			
.791				.0027	
.809			.0008		
.826	.0005				
.831		.0064			
878	.0102				
.900			.0000		
.950			.0007		

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0175			
.050			.0678	0197	
.100					-.0014
.200		.0012	.0071	.0011	
.400					-.0025
.497					-.0025
.600			.0101	.1861	
.631				.0110	
.698			.0008		
.751					.0147
.752		.0030			
.791				.0101	
.809			.0055		
.826	.0010				
.831		.0272			
.878	.0200				
900			.0049		
.950			.0051		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH20)

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0135			
.050			.0460	.0042	
.100					-.0031
.200		.0032	.0041	.0030	
.400					.0032
.497					.0027
.600			.0082	.2951	
.631				.0193	
.698			.0035		
.751					.0094
.752		.0032			
.791				.0056	
.809			.0037		
.826	.0029				
.831		.0170			
.878	.0210				
.900			.0035		
.950			.0050		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BOFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	4000	.6000	.8000	.9500
X/C					
.025		.0326			
.050			.1653	.0875	
.100					.0219
.200		-.0043	.0280	.0235	
.400					.0067
.497					.0057
.600			-.0129	.4380	
.631				.0230	
.698			-.0024		
.751					.0048
.752		-.0026			
.791				.0028	
.809			-.0019		
.826	-.0042				
.831		.0201			
.878	-.0027				
.900			-.0029		
.950			-.0017		

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0000			
.050			.0000	.0000	
.100					.0000
.200		.0000	.0000	.0000	
.400					.0000
.497					.0000
.600			.0000	.0000	
.631				.0000	
.698			.0000		
.751					.0000
.752		.0000			
.791				.0000	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH30)

ALPHA (2) = 24.590 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0000		
.826	.0000				
.831		.0000			
.878	.0000				
.900			.0000		
.950			.0000		

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0162			
.050			.1248	.0452	
.100					-.0001
.200		-.0138	.0084	.0070	
400					-.0102
.497					-.0111
.600			-.0126	.7900	
631				.0222	
.698			-.0132		
.751					-.0067
.752		-.0142			
.791				-.0080	
.809			-.0129		
.826	-.0145				
.831		-.0034			
.878	-.0140				
.900			-.0134		
.950			-.0136		

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0089			
.050			.0531	.0117	
.100					-.0041
.200		-.0018	.0026	-.0032	
.400					-.0043

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (REZH30)

ALPHA (4) = 39.891 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0047
.600			-.0104	1.0199	
.631				.0423	
.698			-.0015		
.751					.0049
.752		.0010			
.791				.0041	
.809			.0012		
.826	-.0022				
.831		.0163			
.878	-.0010				
.900			-.0001		
.950			-.0001		

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0041			
050			.0323	.0040	
.100					.0004
.200		.0001	-.0012	-.0030	
.400					-.0019
.497					-.0013
.600			-.0093	1.1065	
.631				.0462	
.698			-.0005		
.751					.0044
.752		.0004			
.791				.0045	
.809			.0025		
.826	-.0005				
.831		.0082			
.878	-.0004				
.900			.0000		
.950			-.0001		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH30)

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	9500
X/C					
.025		-.0091			
.050			.0035	-.0125	
.100					-.0077
.200		-.0090	-.0094	-.0087	
.400					-.0076
.497					-.0070
.600			-.0078	1.2601	
.631				.0564	
.698			-.0087		
.751					-.0055
.752		-.0084			
.791				-.0048	
.809			-.0051		
.826	-.0090				
.831		-.0025			
.878	-.0095				
.900			-.0073		
.950			-.0069		

ARC 3.5-19B OH38 140C ORB WING UPPER SURFACE(RT) (REZH31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0192			
.050			.1328	.0675	
.100					.0043
.200		-.0190	.0066	.0027	
.400					-.0136
.497					-.0140
.600			-.0193	.0395	
.631				-.0122	
.698			-.0178		
.751					-.0107
.752		-.0189			
.791				-.0126	
.809			-.0170		
.826	-.0196				
.831		-.0129			
.878	-.0188				
.900			-.0182		
.950			-.0173		

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0024			
.050			.1013	.0203	
.100					-.0152
.200		-.0192	-.0041	-.0035	
.400					-.0160
.497					-.0158
.600			-.0192	.0544	
.631				-.0153	
.698			-.0180		
.751					-.0110
.752		-.0179			
.791				-.0157	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH31)

ALPHA (2) = 29.712 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0182		
.826	-.0187				
.831		-.0134			
.878	-.0185				
.900			-.0182		
950			-.0184		

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (REZH32) (11 NOV 75)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0100				

PARAMETRIC DATA

BETA =	.000	ELEV-L =	-40.117
ELEV-R =	-39.717	SPDBRK =	.000
BDFLAP =	.000	RN/L =	3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	9500
X/C					
.025		.0358			
.050			.1813	.1130	
.100					.0223
.200		-.0157	.0216	.0206	
.400					.0142
.497					.0148
.600			.0268	.0436	
.631				.0101	
.698			-.0109		
.751					.0152
.752		-.0144			
.791				.0067	
.809			-.0133		
.826	-.0109				
.831		-.0005			
878	.0103				
900			.0026		
.950			.0103		

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0223			
.050			.1436	.0736	
.100					.0097
.200		-.0159	.0132	.0111	
.400					.0063
.497					.0060
.600			-.0129	.0130	
.631				.0024	
.698			-.0080		
.751					.0068
.752		-.0149			
.791				.0045	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH32)

ALPHA (2) = 19.534 MACH (1) = 7.320

SECTION (1)WING UPPER SUFFACE DEPENDENT VARIABLE`CP

2Y/B	.3000	.4000	.6000	.8000	9500
X/C					
.809			-.0111		
.826	-.0123				
.831		-.0100			
.878	-.0134				
.900			-.0115		
.950			-.0105		

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0136			
.050			.1246	.0466	
.100					-.0016
.200		-.0158	.0054	.0028	
.400					.0012
.497					.0008
.600			-.0101	.0659	
.631				-.0001	
.698			-.0124		
.751					.0026
.752		-.0144			
.791				.0024	
.809			-.0129		
.826	-.0139				
831		-.0007			
.878	-.0138				
.900			-.0129		
.950			-.0127		

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0069			
.050			.1046	.0249	
.100					-.0112
.200		-.0156	-.0007	.0008	
.400					-.0043

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH32)

ALPHA (4) = 29.707 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0043
.600			-.0160	.0250	
.631				-.0053	
.698			-.0149		
.751					-.0013
.752		-.0154			
.791				-.0033	
.809			-.0152		
.826	-.0144				
.831		-.0102			
.878	-.0152				
.900			-.0141		
950			-.0137		

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0005			
.050			.0766	.0114	
.100					-.0168
.200		-.0159	-.0065	-.0057	
.400					-.0114
.497					-.0122
.600			-.0157	.0322	
631				-.0119	
698			-.0148		
751					-.0044
.752		-.0144			
.791				-.0093	
.809			-.0179		
.826	-.0152				
.831		-.0058			
.878	-.0149				
.900			-.0174		
.950			-.0181		

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (REZH32)

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1)WING UPPER SUPFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0052			
.050			.0440	-.0006	
.100					-.0189
.200		-.0152	-.0108	-.0163	
400					-.0161
.497					-.0154
600			-.0140	.0660	
631				-.0119	
.698			-.0148		
.751					-.0115
.752		-.0140			
.791				-.0136	
.809			-.0146		
.826	-.0149				
.831		-.0074			
878	-.0147				
.900			-.0146		
.950			-.0144		

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0084			
.050			.0197	-.0089	
.100					-.0163
.200		-.0136	-.0145	- 0174	
.400					-.0154
.497					-.0148
.600			-.0108	.1344	
.631				-.0081	
.698			-.0139		
.751					-.0092
.752		-.0132			
.791				-.0126	
809			-.0128		
.826	-.0140				
831		-.0048			
878	-.0131				
.900			-.0131		
.950			-.0133		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH32)

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0000			
.050			.0008	-.0153	
.100					-.0112
.200		.0000	-.0143	-.0151	
.400					.0000
497					-.0121
.600			.0318	.1262	
631				-.0031	
.698			-.0137		
.751					-.0010
.752		-.0108			
.791				-.0104	
.809			-.0035		
.826	-.0136				
.831		-.0043			
.878	.0000				
.900			-.0127		
.950			-.0120		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39 717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10 495 P = .27980 CPSTAG = 1.8270

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0206			
050			.1352	.0698	
.100					.0062
.200		-.0152	.0086	.0041	
.400					.0025
497					.0019
.600			-.0112	.1036	
.631				.0044	
.698			-.0107		
.751					.0044
.752		-.0124			
.791				-.0003	
.809			-.0105		
.826	-.0113				
.831		.0085			
.878	-.0112				
900			-.0096		
.950			-.0104		

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0124			
.050			.1158	.0432	
.100					-.0038
.200		-.0145	.0028	-.0005	
.400					-.0002
.497					-.0008
.600			-.1850	.0579	
.631				.0008	
.698			-.0122		
.751					.0028
.752		-.0129			
.791				.0000	

ARC 3.5-198 0H38 I40C ORB WING UPPER SURFACE(RT) (REZH33)

ALPHA (2) = 24.599 MACH (1) = 7.320

SECTION (1)WING UPPER SUPFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0130		
.826	-.0121				
.831		-.0061			
.878	-.0022				
.900			-.0125		
.950			-.0122		

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	8000	.9500
X/C					
.025		-.0009			
.050			.0735	.0123	
.100					-.0167
200		-.0143	-.0068	-.0076	
.300					-.0119
.497					-.0115
.600			-.0498	.0349	
.631				-.0103	
.698			-.0137		
.751					-.0056
.752		-.0134			
.791				-.0085	
.809			-.0077		
.826	-.0141				
.831		-.0095			
.878	-.0077				
900			-.0132		
.950			-.0131		

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0071			
050			.0373	-.0030	
.100					-.0175
.200		-.0101	-.0110	-.0169	
.400					-.0168

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH33)

ALPHA (4) = 39.927 MACH (1) = 7.320

SECTION (1)WING UPPER SUPFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0165
.600			-.0152	.1666	
.631				-.0064	
.698			-.0147		
.751					-.0099
.752		-.0131			
.791				-.0127	
.809			-.0109		
.826	-.0149				
.831		.0027			
878	-.0144				
.900			-.0135		
950			-.0141		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) . (REZH34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = 12518 CPSTAG = 1.8292

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0454			
.050			.1850	.1199	
.100					.0294
.200		-.0077	.0294	.0287	
.400					.0143
.497					-.0044
.600			-.0156	.0269	
.631				-.0016	
.698			-.0033		
.751					.0026
.752		.0170			
.791				.0136	
.809			-.0036		
.826	-.0103				
.831		.0218			
.878	.0331				
.900			.0176		
.950			.0170		

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0200			
.050			.1464	.0713	
.100					.0076
.200		-.0173	.0128	.0084	
.400					-.0135
.497					-.0127
.600			-.0156	.2679	
.631				-.0014	
.698			-.0153		
.751					-.0054
.752		-.0169			
.791				-.0079	

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (REZH34)

ALPHA (2) = 19.440 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	9500
X/C					
.809			-.0145		
.826	-.0181				
.831		.0164			
.878	-.0156				
900			-.0147		
950			-.0134		

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0197			
.050			.1287	.0511	
100					.0034
.200		-.0141	.0098	.0072	
400					-.0075
.497					-.0077
.600			-.0158	.2158	
.631				.0005	
.698			-.0107		
.751					-.0044
.752		-.0119			
.791				-.0043	
809			-.0107		
.826	-.0125				
.831		-.0088			
.878	.0161				
.900			-.0096		
.950			-.0104		

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0044			
.050			.1047	.0238	
.100					-.0120
.200		-.0174	-.0017	-.0009	
.400					-.0150

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH34)

ALPHA (4) = 29.492 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0149
.600			-.0156	.3725	
.631				.0005	
.698			-.0164		
.751					-.0073
.752		-.0157			
.791				-.0096	
.809			-.0152		
.826	-.0177				
.831		.0109			
.878	-.0161				
.900			-.0149		
950			-.0153		

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0070			
.050			.0827	.0178	
.100					-.0125
.200		-.0113	-.0012	-.0019	
.400					-.0108
.497					-.0112
.600			-.0154	.2861	
.631				.0016	
.698			-.0106		
.751					-.0074
.752		-.0099			
.791				-.0085	
.809			-.0110		
826	-.0113				
.831		-.0049			
878	.0263				
.900			-.0106		
.950			-.0110		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH34)

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0069			
.050			.0408	-.0021	
.100					-.0183
.200		-.0150	-.0111	-.0171	
.400					-.0176
.497					-.0176
.600			-.0151	.5833	
.631				.0095	
.698			-.0159		
.751					-.0099
.752		-.0136			
.791				-.0114	
.809			-.0145		
.826	-.0161				
.831		.0052			
878	-.0155				
.900			-.0147		
.950			-.0138		

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0018			
.050			.0253	-.0030	
.100					-.0110
.200		-.0083	-.0101	-.0136	
.400					-.0093
.497					-.0104
.600			-.0113	.5141	
.631				.0133	
.698			-.0091		
.751					-.0050
.752		-.0095			
.791				-.0077	
.809			-.0088		
.826	-.0097				
.831		-.0048			
.878	.0150				
900			-.0087		
.950			-.0082		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (RE?H34)

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0034			
.050			.0092	-.0013	
.100					-.0008
.200		-.0022	-.0003	.0018	
.400					.0009
.497					.0008
.600			-.0245	.0296	
.631				.0025	
.698			.0188		
.751					.0030
.752		-.0017			
.791				0026	
.809			.0110		
826	-.0019				
.831		.0063			
.878	.0100				
.900			.0153		
.950			.0010		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = 13060 CPSTAG = 1.8282

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0202			
.050			.1471	.0741	
.100					.0082
.200		-.0153	.0131	.0083	
.400					-.0133
.497					-.0130
.600			-.0165	.1158	
.631				-.0063	
.698			-.0150		
.751					-.0071
.752		-.0138			
.791				-.0115	
.809			-.0152		
.826	-.0168				
.831		.0021			
.878	-.0154				
.900			-.0157		
.950			-.0147		

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0104			
.050			.1193	.0433	
.100					-.0047
.200		-.0182	.0042	.0010	
.400					- 0149
.497					-.0149
500			-.0172	.0288	
.631				-.0141	
.698			-.0169		
.751					- 0097
.752		-.0153			
.791				-.0165	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH35)

ALPHA (2) = 24.886 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0180		
.826	-.0176				
.831		-.0073			
.878	-.0179				
.900			-.0181		
.950			-.0181		

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0012			
.050			.1027	.0193	
.100					-.0167
.200		-.0197	-.0050	-.0051	
.400					-.0191
.497					-.0201
.600			-.0131	.0943	
.631				-.0131	
.698			-.0199		
.751					-.0103
.752		-.0155			
.791				-.0162	
.809			-.0183		
.826	-.0205				
.831		.0075			
.878	-.0184				
.900			-.0184		
.950			-.0185		

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0057			
.050			.0702	.0079	
.100					-.0190
.200		-.0178	-.0094	-.0133	
.400					-.0207

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH35)

ALPHA (4) = 34.843 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0204
.600			-.0132	.0949	
.631				-.0110	
.698			-.0189		
.751					-.0099
.752		-.0142			
.791				-.0149	
.809			-.0167		
.825	-.0186				
.831		.0075			
.878	-.0172				
.900			-.0178		
.950			-.0170		

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0102			
.050			.0368	-.0058	
.100					-.0164
.200		-.0158	-.0130	-.0164	
.400					-.0157
.497					-.0164
.600			-.0133	.1868	
.631				-.0027	
.698			-.0157		
.751					- 0099
.752		-.0116			
.791				-.0125	
.809			-.0147		
.826	-.0170				
.831		.0004			
.878	-.0158				
900			-.0147		
.950			-.0149		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH35)

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0093			
.050			.0197	-.0095	
.100					-.0145
200		-.0140	-.0134	-.0157	
.400					-.0138
.497					-.0138
.600			-.0147	.2402	
.631				.0014	
.698			-.0137		
751					-.0088
.752		-.0110			
.791				-.0116	
.809			-.0140		
.826	-.0142				
.831		.0030			
878	-.0142				
.900			-.0131		
.950			-.0129		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = 0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0139			
.050			.1783	.0982	
.100					.0060
.200		-.0340	0077	.0078	
.400					-.0283
.497					-.0321
.600			-.0237	.1837	
631				-.0221	
.698			-.0323		
.751					-.0302
.752		-.0348			
791				-.0338	
.809			- 0340		
.826	-.0349				
.831		-.0274			
.878	-.0340				
.900			-.0334		
950			-.0332		

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0095			
.050			.1167	.0442	
.100					-.0045
.200		-.0198	.0028	-.0001	
.400					-.0170
.497					-.0166
.600			-.0164	.1299	
.631				-.0106	
.698			-.0192		
.751					-.0129
.752		-.0168			
.791				-.0185	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH36)

ALPHA (2) = 24.838 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0190		
.826	-.0192				
.831		-.0116			
.878	-.0191				
.900			-.0195		
.950			-.0183		

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0135			
.050			.1108	.0316	
.100					-.0051
.200		-.0117	.0052	.0049	
.400					-.0097
.497					-.0088
.600			-.0131	.1050	
.631				-.0062	
.698			-.0115		
.751					-.0022
.752		-.0091			
.791				-.0079	
809			-.0095		
.826	-.0113				
.831		.0040			
878	-.0100				
900			-.0101		
.950			-.0100		

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0276			
.050			.0004	-.0273	
.100					-.0356
.200		-.0321	-.0328	-.0378	
400					-.0344

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (REZH36)

ALPHA (4) = 44.247 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0335
.600			-.0234	.8826	
.631				.0011	
.698			-.0337		
751					-.0298
.752		-.0321			
.791				-.0316	
.809			-.0340		
826	-.0343				
.831		-.0303			
878	-.0330				
.900			-.0337		
.950			-.0335		

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0051			
.050			.0077	-.0080	
.100					-.0042
.200		-.0046	-.0056	-.0060	
.400					-.0046
.497					-.0042
.600			-.0079	.3359	
.631				.0109	
698			-.0044		
.751					.0002
.752		-.0041			
.791				-.0023	
809			-.0014		
.826	-.0048				
.831		.0049			
.878	-.0038				
.900			-.0031		
.950			-.0029		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 5.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
025		.0340			
.050			.1821	.1114	
.100					.0216
200		-.0175	.0213	.0194	
.400					-.0009
.497					-.0019
.600			-.0182	.0703	
.631				.0021	
698			-.0166		
.751					-.0121
.752		-.0186			
.791				-.0131	
909			-.0178		
.826	-.0178				
.831		-.0132			
.878	-.0181				
.900			-.0180		
.950			-.0174		

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0187			
.050			.1411	.0727	
.100					.0067
.200		-.0192	.0084	.0046	
400					-.0151
497					-.0153
.600			-.0179	.4516	
.631				.0013	
.698			-.0178		
.751					-.0131
.752		-.0189			
.791				-.0155	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH37)

ALPHA (2) = 19.629 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0191		
.826	-.0200				
.831		-.0136			
878	-.0193				
.900			-.0183		
.950			-.0169		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (REZH38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = 000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12 167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7 320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0217			
.050			.1365	.0709	
100					.0057
200		-.0192	.0079	.0037	
.400					-.0146
497					-.0140
600			-.0172	.1556	
.631				-.0057	
.698			-.0174		
.751					-.0110
.752		-.0193			
.791				-.0083	
.809			-.0177		
.826	-.0195				
.831		-.0132			
.878	-.0051				
.900			-.0181		
950			-.0174		

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
025		.0092			
050			.1141	.0427	
100					-.0053
200		-.0200	.0006	-.0021	
400					-.0131
.497					-.0134
600			-.0052	.1783	
.631				-.0073	
.698			-.0166		
.751					-.0112
752		-.0179			
791				-.0076	

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (REZH38)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0173		
.826	-.0182				
.831		-.0140			
.878	-.0068				
.900			-.0170		
.950			-.0169		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0190			
.050			.1511	.0724	
.100					.0077
200		-.0175	.0136	.0106	
.400					-.0113
.497					-.0138
.600			-.0137	.1523	
.631				-.0058	
.698			-.0158		
.751					-.0072
.752		-.0168			
.791				-.0121	
.809			-.0126		
.826	-.0179				
.831		.0059			
878	-.0077				
.900			-.0151		
.950			-.0156		

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0109			
.050			.1260	.0451	
.100					-.0025
.200		-.0186	.0045	.0046	
.400					- 0121
.497					-.0143
.600			-.0138	.1763	
.631				-.0061	
.698			-.L 61		
.751					-.0081
.752		-.0167			
791				-.0127	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH03)

ALPHA (2) = 24.885 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0134		
.826	-.0176				
.831		.0033			
878	-.0098				
.900			-.0153		
.950			-.0155		

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0042			
.050			.1060	.0233	
.100					-.0126
.200		-.0172	-.0008	.0003	
.400					-.0121
.497					-.0150
.600			-.0129	.2378	
.631				-.0044	
.698			-.0163		
751					-.0096
752		-.0150			
791				-.0140	
809			-.0136		
826	-.0170				
.831		-.0007			
.878	-.0093				
.900			-.0163		
.950			-.0159		

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0002			
.050			.0674	.0116	
100					-.0187
.200		-.0167	-.0072	-.0078	
.400					-.0184

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH03)

ALPHA (4) = 34.784 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0189
.600			-.0098	.2427	
.631				-.0035	
.698			-.0159		
.751					-.0107
.752		-.0161			
.791				-.0142	
.809			-.0158		
.826	-.0178				
.831		.0035			
.878	.0033				
900			-.0154		
.950			- 0159		

ALPHA (5) = 39 947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0054			
.050			.0374	-.0031	
.100					-.0207
.200		-.0151	-.0119	-.0170	
.400					-.0175
.497					-.0174
.600			-.0107	.2493	
.631				-.0029	
.698			-.0155		
.751					-.0100
.752		-.0139			
.791				-.0131	
.809			-.0155		
.826	-.0163				
.831		.0003			
878	-.0000				
900			-.0151		
.950			-.0149		

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (XEZH03)

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0095			
.050			.0170	-.0104	
.100					-.0148
.200		-.0155	-.0158	- 0190	
.400					-.0158
.497					-.0160
.600			-.0129	.1661	
.631				-.0068	
.698			-.0159		
751					-.0122
.752		-.0146			
.791				-.0144	
.809			-.0157		
826	-.0161				
.831		-.0044			
.878	-.0052				
.900			-.0157		
.950			-.0145		

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0091			
.050			.0030	-.0136	
.100					-.0080
.200		-.0110	-.0102	-.0091	
.400					-.0078
.497					-.0086
600			-.0059	.9810	
.631				.0290	
.698			-.0093		
.751					-.0058
.752		-.0100			
.791				-.0043	
.809			-.0058		
.826	-.0112				
.831		.0033			
878	.0120				
.900			-.0076		
.950			-.0019		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0177			
.050			.1345	.0677	
.100					.0045
.200		-.0182	.0067	.0028	
.400					-.0138
.497					-.0139
.600			-.0186	.3762	
.631				-.0010	
.698			-.0186		
.751					-.0116
.752		-.0179			
.791				-.0144	
.809			-.0151		
.826	-.0201				
.831		-.0103			
.878	-.0199				
.900			-.0193		
.950			-.0195		

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0088			
.050			.1166	.0395	
.100					-.0058
.200		-.0194	.0012	-.0008	
.400					-.0129
.497					-.0130
.600			-.0188	.4662	
.631				.0026	
.698			-.0175		
.751					-.0109
.752		-.0185			
.791				-.0116	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH04)

ALPHA (2) = 24.809 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
809			-.0166		
826	-.0182				
831		-.0109			
878	-.0181				
.900			-.0172		
.950			-.0172		

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
025		.0023			
050			.1016	.0201	
.100					-.0143
.200		-.0190	-.0046	-.0018	
.400					-.0147
.497					-.0146
.600			-.0179	.4692	
.631				.0025	
.698			-.0177		
.751					-.0127
752		-.0178			
.791				-.0144	
809			-.0169		
.826	-.0184				
.831		-.0114			
.878	-.0179				
900			-.0182		
950			-.0184		

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0031			
.050			.0616	.0083	
.100					-.0160
.200		-.0160	-.0078	-.0095	
400					-.0164

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH04)

ALPHA (4) = 34.668 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0162
.600			-.0129	.4700	
.631				.0131	
698			-.0162		
751					-.0102
.752		-.0152			
791				-.0125	
.809			-.0148		
.825	-.0168				
.831		.0040			
.878	.0046				
.900			-.0150		
.950			-.0147		

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	6000	.8000	.9500
X/C					
.025		-.0080			
.050			.0313	-.0061	
.100					-.0125
.200		-.0140	-.0119	-.0156	
.400					-.0147
.497					-.0112
.600			-.0110	.4681	
.631				.0241	
.698			-.0141		
.751					-.0079
752		-.0118			
.791				-.0088	
.809			-.0124		
.826	-.0152				
.831		.0297			
.878	.0042				
900			-.0121		
950			-.0121		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH04)

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0117			
.050			.0125	-.0117	
.100					-.0146
.200		-.0151	-.0166	-.0167	
.400					-.0144
.497					-.0140
.600			-.0121	.4741	
.631				.0166	
.698			-.0152		
.751					-.0129
.752		-.0153			
.791				-.0127	
.809			-.0146		
.826	-.0161				
.831		-.0079			
.878	-.0052				
.900			-.0149		
.950			-.0151		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0220			
.050			.1462	.0731	
.100					.0083
200		-.0165	.0146	.0099	
.400					-.0127
.497					-.0117
.600			-.0141	.0973	
.631				-.0084	
698			-.0160		
.751					-.0085
.752		-.0170			
.791				-.0145	
.809			-.0157		
.826	-.0179				
.831		-.0070			
.878	-.0169				
900			-.0171		
.950			-.0163		

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0066			
.050			.1050	.0257	
.100					-.0114
200		-.0181	.0000	.0010	
400					-.0147
.497					-.0149
600			-.0144	.1575	
.631				-.0082	
.698			-.0160		
.751					-.0100
.752		-.0162			
.791				-.0155	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH05)

ALPHA (2) = 29.560 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0156		
.826	-.0169				
.831		-.0042			
.878	-.0167				
.900			-.0162		
.950			-.0166		

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0014			
.050			.0749	.0128	
.100					-.0165
.200		-.0151	-.0060	-.0065	
.400					-.0163
.497					-.0168
.600			-.0453	.9924	
.631				.0276	
.698			-.0150		
.751					-.0085
.752		-.0126			
.791				-.0099	
.809			- 0132		
.826	-.0151				
.831		.0022			
.878	-.0141				
900			-.0122		
.950			-.0135		

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0054			
.050			.0428	.0001	
.100					-.0187
.200		-.0140	-.0095	-.0160	
.400					-.0185

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH05)

ALPHA (4) = 39.911 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0180
.600			-.0124	.2054	
.631				-.0046	
.698			-.0148		
.751					-.0100
.752		-.0126			
.791				-.0135	
.809			-.0128		
826	-.0149				
.831		-.0001			
.878	-.0147				
.900			-.0147		
.950			-.0142		

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12380 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0076			
.050			.0195	-.0090	
.100					-.0127
.200		-.0125	-.0122	-.0161	
.400					-.0122
.497					-.0125
.600			-.0288	1.2595	
.631				.0460	
.698			-.0139		
.751					-.0067
752		-.0106			
.791				-.0072	
.809			-.0091		
.826	-.0133				
.831		-.0006			
878	-.0133				
.900			-.0118		
.950			-.0123		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH05)

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0119			
050			.0015	-.0144	
.100					-.0078
200		-.0102	-.0106	-.0108	
.400					-.0093
.497					-.0081
.600			-.0197	1.2591	
.631				.0582	
.698			-.0110		
.751					-.0073
.752		-.0103			
.791				-.0050	
.809			-.0045		
826	-.0106				
.831		-.0049			
.878	-.0096				
900			-.0092		
950			-.0090		

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (XEZH06) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE. DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0206			
.050			.1326	.0636	
.100					.0046
.200		-.0194	.0074	.0024	
.400					-.0160
497					-.0156
.600			-.0309	.0503	
.631				-.0127	
698			-.0182		
751					-.0118
752		-.0196			
.791				-.0152	
.809			-.0184		
.826	-.0200				
.831		-.0124			
.878	-.0192				
.900			-.0183		
950			-.0181		

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
025		.0122			
.050			.1154	.0432	
100					-.0040
200		-.0170	.0033	-.0005	
.400					-.0128
.497					-.0127
.600			-.0649	.4600	
.631				.0053	
.698			-.0149		
.751					-.0088
752		-.0159			
.791				-.0113	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH06)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0138		
.826	-.0161				
.831		-.0061			
.878	-.0032				
.900			-.0141		
.950			-.0139		

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0018			
.050			.0992	.0205	
.100					-.0156
200		-.0204	-.0055	-.0048	
.400					-.0168
.497					-.0171
.600			-.0129	.1018	
.631				-.0124	
.698			-.0189		
.751					-.0143
.752		-.0184			
.791				-.0173	
.809			-.0184		
.826	-.0193				
831		-.0145			
.878	-.0191				
.900			-.0184		
.950			-.0190		

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0005			
.050			.0733	.0121	
.100					-.0170
200		- 0158	-.0066	-.0070	
400					-.0154

ARC 3.5-198 0H38 140C ORB WING UPPER SURFACE(RT) (XEZH06)

ALPHA (4) = 35.000 MACH (1) = 7.320

SECTION (1)WING UPPER SUPFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0154
.600			-.0499	.1997	
.631				-.0062	
.698			-.0147		
.751					-.0117
752		-.0147			
.791				-.0136	
809			-.0144		
826	-.0153				
.831		-.0103			
.878	-.0084				
.900			-.0138		
.950			-.0145		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0373			
050			.1758	.1123	
100					.0226
200		-.0153	.0225	.0211	
400					-.0097
.497					-.0138
.600			.0000	.0317	
631				- 0098	
698			-.0156		
.751					-.0121
.752		-.0182			
.791				-.0172	
.809			-.0182		
.826	-.0175				
831		-.0142			
.878	-.0114				
.900			-.0178		
.950			-.0181		

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0221			
.050			.1499	.0740	
.100					.0093
.200		-.0168	.0147	.0107	
.400					-.0039
.497					-.0041
.600			-.0163	.4341	
.631				.0125	
.698			-.0159		
.751					-.0098
.752		-.0170			
.791				-.0128	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH11)

ALPHA (2) = 19.441 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0168		
.826	-.0177				
.831		-.0112			
.878	-.0174				
.900			-.0170		
.950			-.0168		

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0126			
050			.1190	.0457	
.100					-.0034
.200		-.0194	.0035	.0005	
.400					-.0148
.497					-.0155
.600			-.0482	.0342	
.631				-.0129	
.698			-.0158		
.751					-.0108
.752		-.0169			
.791				-.0163	
.809			-.0171		
.826	-.0184				
.831		-.0099			
.878	-.0021				
.900			-.0169		
.950			-.0172		

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0065			
.050			.1070	.0250	
.100					-.0111
200		-.0176	.0005	.0006	
.400					-.0147

ARC 3.5-19B OH3B 140C ORB WING UPPER SURFACE(RT) (XEZH11)

ALPHA (4) = 29.674 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0145
.600			-.0158	.8661	
.631				.0176	
.698			- 0167		
.751					-.0082
.752		-.0154			
.791				-.0126	
.809			-.0159		
.826	-.0166				
.831		-.0095			
.878	-.0184				
.900			-.0166		
.950			-.0168		

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0030			
.050			.0765	.0153	
.100					-.0154
.200		-.0143	-.0034	-.0064	
.400					-.0105
.497					-.0087
.600			-.0105	.3330	
.631				.0017	
.698			-.0135		
.751					- 0065
.752		-.0123			
.791				-.0112	
.809			-.0116		
.826	-.0138				
.831		.0088			
.878	.0054				
.900			-.0125		
.950			-.0118		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH11)

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0055			
.050			.0415	-.0009	
100					-.0183
.200		-.0134	-.0104	-.0166	
.400					-.0158
.497					-.0145
.600			-.0124	1.0065	
.631				.0237	
.698			-.0146		
.751					-.0038
.752		-.0128			
.791				-.0100	
.809			-.0122		
.826	-.0141				
.831		-.0069			
.878	-.0143				
.900			-.0136		
.950			-.0132		

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0055			
.050			.0213	-.0074	
.100					-.0123
.200		-.0116	-.0127	-.0137	
400					-.0129
.497					-.0134
.600			-.0079	.3227	
631				.0044	
.698			-.0112		
.751					-.0043
.752		-.0099			
.791				-.0065	
.809			-.0090		
.826	-.0125				
.831		.0038			
.878	.0024				
.900			-.0091		
.950			-.0096		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (XEZH11)

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0097			
.050			.0040	-.0129	
.100					-.0080
.200		-.0086	-.0089	-.0079	
400					-.0084
.497					-.0081
.600			-.0075	.3351	
.631				.0091	
.698			-.0076		
.751					-.0041
.752		-.0081			
.791				-.0063	
.809			-.0082		
.826	-.0094				
.831		.0008			
.878	.0009				
.900			-.0068		
.950			-.0068		

ARC 3.5-198 OH3B 140C ORB WING UPPER SURFACE(RT) (YEZH03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0233			
.050			.1474	.0781	
.100					.0096
.200		-.0170	.0136	.0095	
.400					-.0141
.497					-.0136
.600			-.0133	.0528	
631				-.0103	
.698			-.0155		
.751					-.0093
.752		-.0177			
.791				-.0129	
.809			-.0164		
.826	-.0188				
831		-.0074			
.878	-.0157				
.900			-.0155		
.950			-.0161		

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0051			
.050			.1056	.0238	
100					-.0129
.200		-.0189	-.0004	-.0003	
.400					-.0162
.497					-.0160
.600			-.0137	.0682	
.631				-.0141	
.698			-.0176		
751					-.0074
.752		-.0174			
.791				-.0136	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (YEZH03)

ALPHA (2) = 29.494 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0151		
.826	-.0183				
.831		.0099			
.878	-.0169				
.900			-.0167		
.950			-.0163		

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0009			
.050			.0773	.0145	
.100					-.0169
.200		-.0169	-.0059	-.0072	
400					-.0164
497					-.0170
.600			-.0131	.1483	
.631				-.0088	
.698			-.0158		
.751					-.0104
.752		-.0155			
.791				-.0145	
809			-.0153		
.826	-.0176				
.831		-.0079			
.878	-.0163				
.900			-.0147		
.950			-.0149		

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0071			
.050			.0400	-.0029	
.100					-.0211
.200		-.0168	-.0122	-.0179	
.400					-.0192

ARC 3.5-198 OH3B 140C ORB WING UPPER SURFACE(RT) (YEZH03)

ALPHA (4) = 39.931 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0184
.600			-.0127	.1404	
631				-.0092	
.698			-.0171		
.751					-.0128
.752		-.0147			
.791				-.0153	
.809			-.0136		
.826	-.0171				
.831		-.0015			
.878	-.0175				
.900			-.0168		
.950			-.0166		

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0090			
.050			.0211	-.0091	
.100					-.0154
200		-.0138	-.0151	-.0174	
.400					-.0147
.497					-.0149
600			-.0115	.1685	
631				-.0059	
.698			-.0146		
.751					-.0109
.752		-.0138			
791				-.0131	
809			-.0147		
826	-.0147				
.831		-.0082			
.878	-.0146				
.900			-.0149		
.950			-.0136		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (YEZH04) (05 AUG 74)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000	BETA =	.000	ELEV-L =	.117
LREF =	1290.3000 IN.	YMRP =	.0000	ELEV-R =	.000	SPDBRK =	.000
BREF =	1290.3000 IN.	ZMRP =	.0000	BDFLAP =	.000	RN/L =	6.500
SCALE =	.0100						

PARAMETRIC DATA

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0021			
.050			.0995	.0177	
.100					-.0153
.200		-.0179	- 0042	-.0042	
.400					-.0155
.497					-.0153
.600			-.0166	.4660	
.631				.0073	
.698			-.0175		
.751					-.0104
.752		-.0160			
.791				-.0117	
.809			-.0108		
.826	-.0181				
.831		-.0007			
.878	-.0174				
.900			-.0169		
.950			-.0166		

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0097			
.050			.0342	-.0052	
100					-.0193
.200		-.0177	-.0137	-.0193	
.400					-.0178
.497					-.0182
.600			-.0156	.4678	
.631				.0153	
.698			-.0172		
.751					-.0137
.752		-.0161			
.791				-.0142	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT) (YEZH04)

ALPHA (2) = 39.926 MACH (1) = 7.320

SECTION (1)WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			-.0107		
.826	-.0179				
.831		-.0056			
.878	-.0172				
.900			-.0161		
.950			-.0168		